Table 1

CACTGGCTTCCAAGANNGATCGCCGTTCCANCCAATGGCCATGACTGNCAATCCACAGAA
CCATCAAGCTCATATGTNCACCAAGCTACACCCATCATCAGGTTTACAACCAGGCACTGA
CTACAAGATCTACCTGTACCTGCCCG
Sequence 2690
ACTACTTAGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCACGGTACTTTTTT
TTTTTTTTTTTTTTTTGAGACAGAGTCTCACTCTGTAGCCCAAGCTGGAGTGTAGTGGCGTG
ATCTTGGCTCACTGCGACCTCCATCTACTGATTTCAAGTGATTCTCCTGTCTCAGCCTNT
CGAGTAGCTGGGATTACAGGCGTGTGCCACCATGCCTGGCTAATTTTTTTTGTATGTGTAG
TAAAAGATGGGGTTAGCTGTTGTTTGATTTTATATAGACCGTGACATGTCTTATGATATG
AGAATGGGCTGGAACTATAGCCTCGGGGTCCTTGCCCTTTCCTAAGGACTTACTGTTTAT
TGATCAAGTAAAAGTGAAACAGGAGCATGTTTAAAATAATGTAGCCTCATTTTAAAATTT
TCTGCACTCTTACAAGTCAATAGATCATGG
Sequence 2691
CACTACTTAGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGGCGAAGA
CAAATGATCCTTAAAGAAGGTGTGGGGTCTTTCCCAACCTGAGGATTTCTGAAAGGTTCA
CAGGTTCAATATTTAATGCTTCAGAAGCATGTGAGGTTCCCAACACTGTCAGCAAAAACC
TTAGGAGAAAACTTAAAAATATATGAATACATGCGCAATACACAGCTACAGACACACATT
CTGTTGACAAAGGGAAAACCTTCAAAAGCAATGTTTTTTTTTTNCCTCCACNACCAACAGAA
ACATGCCANTTAACCTGCCCCGGGGGCGGGCCGNTTCTAGAAACCTAAGTTGGATCCCCCG
GGCCTGCAAGGAATTCGATATCAAGCCTTATCGATACCCGTCNNACCTCGA
Sequence 2692
CACTACTTAGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGCTGGGTGCTGC
AGCACTGGAGTGCGAACTTGTGGCTGTGGTTATGAAGGAGCCTCGTCAGCTATGCCTTTA
ACCCCTGGTGAAGCAGTGCCAGTCACACTTTGCCAGTCAAACGGAGAGGCAGCAGTAGTA
AGACCAGACCAAATCAAACCAAACCAAGCAAACCACGGGGAATGGAGACACAGAGTTTCA
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AACTCCTGGGCTCAAGCCATCTTCCCTCCACTGCCTCCAAGTAGCTGGGGACTACAGGTC
ATGTGAGCACACAGCATAAAGGCAGNTGCCCACAAGCCAGGAAGAGAAGCATCATCAGAA
ACCCGACCATACTGGCTTCCTGATCTCAGACTTTCAGCCTCCAGAATGGATTATTGCCT
Sequence 2693
TAGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGGAGAGAGACACACA
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CGCATGTGTGTAAGGAACCACCTCAGGCCAGAGAAAGAGCCATGTGAGAAGATTAGAAGG
AACAGTGGTGCTGACACAGGACCTAGGGTAGGGCCTGTTCCCACCACCCTAGCTGGAAAA
CCTCATGATTTATGGGGCACTGGGTAGAAAACACAAGTGAGAAACCCTAGATGGGCACTG
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CTCAAAAGTACCTTGCCCGGGCGGCCCGCTCTAANAACTAGTGGGATCCCCCGGGGCTGC
ANGAAATTCGATATCAAGC
Sequence 2694
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GGGGCACCCAGCAAATTGGCATCCGAGCCAAAATGAGAGTGCAAGCTTTTGAGTTTCCAA
TGTAAAGCTCATCAAACTTTGACATTACTTCTTTTTTTTATATAAGGGGCTTTTTTTTTTTT
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NCTNNTGNCCATANAAACNTTGCNTGTNCTGNCCCNAGGNAANNTGGAANNTTCGNANGG
TNTNGCNCTCNACCCTGGGTAACNANCAAANNTTTNTTTCAAAAAAAAAAAAAAAAAAAA
Sequence 2695
CCGCGGTGGCGGCCGCCCGGGCAGGTACATACCCCCACACCAGGCTAATTTTTTCCTATTT
GTAGAAACACGGAGTCTTCCTATGTNGCCCAGGCTGGTCTCGAACTCCTGGGCTCAAGCA
GNNNGCCCACCTCACCCTCCCAAAGTGCTGGGATTATAGGCATAAGCCACCACGCCTGGC

Table 1

CAATTTCTGTTAAATTTTTACCTTCATTATTCTCTAATTCTAGCCTGCTTCATTTCTGTCA
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GACTTTGCCTATTTTGTTTACCATTATAGNATCATTANTTGAAATAGTGCCTGGNCGTGT
TTCCAAAAAAAGTACATTATACTATTCTCTTNAAATAAAAAAACCACAGTAAANAAATTTGT
CTTTCAA

Sequence 2696

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ATGGGATAACANTTCACAACTCTTCGATTTGAANTGTAATGAATCTGGCGACAAGGATTT
TTCTCTAATGGATNCCAAAGTTAGCCAGAACTTTTAATGTNAAGATGAAAAAGGGTGTAA
GGTGTTATATTNTCTTCAATNCCTTTACCACAGGAGGCTAACTCCACAATTTCCCTCATG
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GAATNGCTTTCTTATGNTGCCTGATNGTTTTNNANNTTNCTTGNAAAANTNTAAANCTTTG
GGNTTCTTTAANAAANTTTTTCTTAANNGTTTANGGGGNTNATTTNAACCNTTACNGGGG
TTTGGTTATTAAAAACAATTTNTTTTTTTNTTGGG

Sequence 2697

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACACCCTAGCTCC
AGCTTCCCCTGGGAGACTGTGCATCTCCTGGCTCCACTAACACCACCTTCTTCTGACCTT
CCAGCCTAGAGATGATGACTCTGCCAGCCTAGATGGGCTCTGGGTTGTCTCCCTATTCCT
GTTTGCTTTGTAGATTTCCCATTATGCTGTCACCAACTCCCCAGCCTAAGCCCTCTCTAT
TTTAAATTCTCAAGTGGATTATGTTCCTGATTAGTCCCTGACTGATATACCACTCTCCTC
ATGATCTCTGATTAGTTTTCCTGTTAGGTTGTTGCAGTAAAAAAAAAAAAAAAAAAGTACC
TCGGCCGCTCTAGAACTAGTGGGATCCCCCGGGCTGCAG

Sequence 2698

CCTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGAGAACTTGTGT
GCTTAGACCTGACGCTGGGAGGAGATGCTGCCACCTAGGTTACTTGTAGGACCCTATACG
GCAACCTCCTTTGCCAGGAACTATTTATAAACATCCTGCAGGAAAATGAGTCAAGGAAGC
TTTTCTTTTGAGCTATTTACAGCTTTTAGCAATTGAGTAAAGTATACTCCTGTGAACAAA
ATTTGGAACATACTTGTTTCTCTCTAACTGATTTCTCCAGAATTTGGAACTAGCTGTAGC
TGAGACCAATGATGCTGACCTCCCTCAAAAGCTGCATTTCTGAATTTCTGAAGGCAAACT
GTCTGCCTATATTGTACAGCAAAATAATTTCCTGTATTAAAACCGTTTTTATTGCTCAAA
AAAAAAAAAAAAAAAGTACCTGCC

Sequence 2699

CCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCT
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AATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGAC
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AGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCC
ACTGAAGTTCCTTATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTC
CTTGAAATTTGCAAGTTGTCTGGGT

Sequence 2700

CGGNGGCGGCCGAGGTACGCGGGGAGTCTTGGTTTTCTGCTAGTGCTGCTGCTGCTGGGA
GGACGACGGACGGCAGCGGCCAAGCAAGAAGAAAGACGTGGCAGCAAGCGGGAGTCGGGG
ATAGTGTCATCGGTTCGGTAAAGTTTCTGTTCTCTGATTTTGGGGGATTNTTNCCTGCCC
AAAAAAANANNNAAAAAAAAAAAANTTGTTCCTGCCCG

Sequence 2701

CCGGGCAGGTACACATGCTAGGGTCCAGGACAGCAGGACCAAGCCAGCAGAAACAGCCTG
AGCCCACCGCAGACTGGCCTGGCTATACTGGACAATGCCACTCCTCCTGTACCT

Table 1

Sequence 2702
CTATCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGAAG
ATGTGCGGGAGGCATATCGCCGTAGAGGCTGGGCCTTCAAGAAC
Sequence 2703
CTATCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGGCCGGGATGGCAACA
GATGGTGCGTGCCGGGGACCGCGTTAGCAGCAGCACTCTTGAGAAACCAGGAAAAGAGCC
CCGCGTACCT
Sequence 2704
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CTTATAAGTAAGTTGTCCATAAGTGAACACTTNAAAAGCAACAATTCCNTCCCCTGGATT
CAAGGAANAATCCTATGCATAATCATTCACATGCATNATGACCCANATTNTTACTGGGTN
GTTTAAAAAGGGTGAANCAGNGGTCCTTTGAGTGTTCAAACCCANTTCCCAAGGAGCACA
NATNCNCCTGAATCCCATNTTGGGTTGCAAGCCCTGTTGAGTAAAAAANAAACCTTNTGG
TTNCAACATTCATCCTTTTTNATGATAATTGCCAAAAAATTTTTTAACAAACATTAATATAA
TGCNNAACATCCCAGTACCTGCCCGGGCGGCCGNTNTTAAAACTAGGTGGGATCCCCCGG
GGCT
Sequence 2705
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GACAGTTTTCCATAACAGGTTGTAAGAGTNTTGAAAAAAAANTTCAAATTTTTGGGGGAG
CGGG
Sequence 2706
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CCATCATCCAGGTAGTGAGCATAGCACACAATTGGTAGTTTTTCAACCCTTTTTTTCTCTC
CCTCCCTTCTCATGTTCCCCAGTGTCTATTGTTCCCATCTATATGTACATGCATACTCAA
TGTTTAGTTCCCACTTATAAGTGAGAACATGTGGTATTTAGTTTTATTCTTTTTTTATACT
CAGTCCANATTTGNGGCTCACAGGCTGGGTANATAAANACTTTTGTGTCCAAATTTCCAA
CCAGTAGCTGCTATACACACATATCTGGGCCTGCCGATTTTCCCAT
Sequence 2707
GGAGCTCCCCGCGGTGGCGGCCGGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTC
ACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACC
ACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCA
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AGGGCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACC
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AGAAATTCCTT
Sequence 2708
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AGTCTGGCCTTTCAGCCTTCAGGCTGTTTTAGGCTTGAAGTTTCGTGTGGCTGATCAAAG
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TGGGCTAAGAAATAGTTCCTCTTGATAAATAAACAATTAACCAAATACTTTG
Sequence 2709
CCACGGCTCATAGCCTGTGGGTTGGTGCTGATCGGCATGTTCGTGATGAAACTCTAACCG
TCGGACAAAACTAAAAAAGGAATGGGTTATGACAGTCGCTTTCTGGTGTGTGTTGATCGC
TATTTTTCTGCCGTATCTGTGCACGGGCGTGGCCAAGTTCAGCGGTGGCAAGTTCGGGCC

Table 1

CCGGCAGAACCATGACCCCCGAGCTTTCCTGGAAACCCTCGAGGGGTTCGCCAAGCGTGC
CCACAGTGCGCAACTCAACAGCTTTGAAGTGACCCCGGCCTTCGCGGCGGCGGTGATCAT
TGCCCATTTGGCCGGCGCTGCGTCGCTGGTGACGATCAACGTATTGGCGGTGCTGTTTAT
TACCAGCCGGCTGCTTTACATCATCTGCTACCTGGCGGACTGGGCGATTCTGCGGTCGGT
GGTATGGGCGGTGGGG
Sequence 2710
AGATACCACTATGCCTGGCTAATATTTTTATTTTTTTATTTTTTGTAGAGACAGGGTCTTG
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TCAACTTGCTGGAATTACCAGCGGAAGCCACTGTGCCCAGCCCAGACTCCCTTTTACCTA
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ACCCTAAAACAAACAAGCAAACAAAAAACCCAAAACAACAAAAAGTTTCAAGAAACAGAG
CTAGCTGACAGAACTATATTCAGATATGGCAGGTATATTAGAATTATCAGATTGGTAATT
TTAAACAACTATGACTAATATGGTAAGAGTGATAATGGAAAAAATAGACAATTTGCAAGA
AC
Sequence 2711
GCGAATNGGAGCTNCACCGNGGGGGGNGCCGGGCAGGTACCCATNTAAACCCCAAACCTCG
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CAAACAGTTGTCTTCACCATCCCAGACAAGCAGATGAATGGTGAAACGATNCATCATGAT
AAAAGAGAGATGAGGNNCATTTGAACGCCNAGAGGAGTTCAGTCGAGGGTGGTCGGAGAG
GTTTGGCCACCCAGCAGGAAGATTATCTTCCCGTGCCATCCCCGCTTNCAGCTCTGCATC
CATCCTTCAGAGAACCACCTCCACCACTCAATAAAACCCTGCATTCAACCTGCNAAAAAA
AAAAANAAAAAAAAAAAAAGTACCTN
Sequence 2712
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CCTCTTATTTTCATTTCAGAGACTGATTAAATACAGTCTCAAGGTGATAAAATAACACAG
TAGGATAAAAATAAAGTGACAAGTGGCAAGGGATGGTTAGTCATCTTTGATACCTGTGGA
TACTCAAACCCACCATTTAAAATGTCTTAGGTGTTAGATGTGGTAGGTGTTTCTATCAGG
AACACGTGGGAATAAAAACAAATTTAGAACTCACATCTGGGCTTCTCACTTCTAAAACAA
GGGTCAGGAGGCCAGAAGGCGGAGCAGCGCATCAGTTAGGATTTGACAGGACC
Sequence 2713
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ATGAGATAGTTAATAACAAACTATTTCTCAATATTTGTATACTAAAAACTAGTGAAGGTG
TTATGTGTTTCANTATCTTATCTCTTATTTGAACATGGGTTTCTGAAAGGAGCCTATATA
ATAATATAAATGGTATGTAGTAAATGAGGCACTGTCTTGGCTGGGACTGCTATAAAAAAA
TTACCATAGACCATTGACTAAACCACAAACATATACTTCTCACA
Sequence 2714
ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTNCTGCCTGGGTTA
TGGGANTNAAATNTTGNCCAGGGACATCCNAGGGAAGGGGGAACTTNCCNAGGCAGATGCG
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TNTGCAGGATCAAGANAGTCTTGTCTGTGACCACNNGAATTCTCTCCTTCTNATTGCTCC
AGTGGTCTATCTTTGTCAAGAGCCAGAA
Sequence 2715
GGCGAATTGGAGCTCTCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGAGTCCTGAAA
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TTTCAGCCTTCAGGCTGTTTTAGGCTTGAAGGTGGGTTTTTGCTAGGACCCTTGGCTGTC
TCTCTGTCAGATGGATGACTAAGTGAGTTTCGTGTGGCTGATCAAAGGAAGAAGGCATAC
GCAGATTTCTACAGAAACTACGATGTCATGAAAGATTTTGAGGAGATGAGGAAGGCTGGT
ATCTTTCAGAGTGTAAAGTAATCTTGGAATATAAAGAATTTCTTCAGGTTGAATTACCTA

Table 1

GAAGTTTGTCACTGACTTGTGTTCCTGAACTATGACACATGAATATGTGGGCTAAGAAAT
AGTTCCTCTTGATAAATAAACAATTAACAAAAAAAAA
Sequence 2716
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CATGAGCTGTGTTGAANACAGGGCGCTTTCAAATAGAGGTAATTTGCTCTTGTGTTGTAA
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ATATGCAAAGGAGTTCCCGCGTACTTCTGTCTTCCAGTTTTCCACTTCAAACTTCTATCT
TCTCCAAATTGTTTCATCCTACCACTCCCAATCAATCTTTCCATTTTCGTCTGCGTTTAN
TAAATGCGTTAACTAGGCTTTAAATGACGCAATTCTCCCTGCGTCATGGATTTCAAGGGC
TTTTAA
Sequence 2717
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GTCGTTTGTTGCACCTATCAACCCATTATCTAGGTTTTAAGCCCCATATATGTTAGCTAT
TTGTCCTAATGCCTTCTTTCCCCTCACCCACCAACCGCCCTCAAGTCAGTTTTNTAANAG
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TNCTAGGATATTTGCTAAANATA
Sequence 2718
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GAGGAGTGTGCTATTGACATCTAGTGGCTAGAGGGCAGGTATGCTGCTAAATATCCTAAC
ACACAGGACGGCCCCTCTGCAACAAAGAACTACCTGACCCAAAATGTCAGTTGTGCCAAG
GTTGAGACACCCTGCTGTAGGGGATAGAAAGAAGTGTAAGAAATGGTTTCAAACTCAAGA
ACAATGATTAGAGAGATGGATGGATGGATAGATAGGTACCTGCCCG
Sequence 2719
AGGTACTGTATTTCCAAAAGTAAGTTTCTATTCCTAGAACTAAAACAGAAAAGAAGTGTT
GTGAGATACATAAATGAAGCCAATAAATTTAACCAAGGGCTTACCATTTTCCTGCAGGAT
GTT
Sequence 2720
TACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCACCATCAG
CACTGCTGATTTTCAGTTTTGCTATCTATTCCAGGTTTGTCCTTACTCCCAAAAAAACTA
ACTAGAGAGCACAACTGAAAAAAAATATATAATTCTTTGGAAACTGTCCCTGATTTTTATG
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TGCGTTGCTCAAGTTGGTGATGCTCTGAGGGTGATGCTGTTGCCATAGCTGTTTCTGTTG
GACCGCAAGCTGTTGAGACTGGTCTGAAGTTGATAGGAGATTTACAAGAGGGGACACACA
ATTTGCCGGAATGATCAAACCTACAATCCGTTGCCCATCTTCCGTTCTTAGCCGCACGAT
CTGCATCTTCACGTTTGTGCCACTGACAGATGCTAGAACACCCTCAAC
Sequence 2721
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ATCCCATAGTATGGGAATCTTTCCATTTCAGTAAATGTAGATCCACAGTAATATTTTTAA
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GTGGGGGCAATGAATGAAGCGAACAGATTTTCGTTCATTTTGGTTCTCAGGGTTTGTTAT
AATTTTTTATTTTTATGGGCTTTGGTGAGGG
Sequence 2722
CTATANGGCGAATATGNAGCTCCACCGCCGTGGCGGCCGCCCGGGCACGGTACTCTGTTT
TTTCAAACNTTTNNTATTACNTTTTTTATACTNNNTTTTATTTNTNATTTNNTNNAAAACA

Table 1

TTTTTNATGTTTTNCATATCCTTGACTTTNAACACATGTTGCTCANATGNNTTTCTTGGA
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CAGNATAATCCTCCCTTGGGTTTTTGCGATCCTTGCCAATGTATANCAAGTCCCGGATCT
CATNAATGCCCNCGTACCTGCCCG
Sequence 2723

TTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATCATATTTGCTTGTTGGC
TTTATGATAACTTAGAAATAATATTCTGGATTAACTGTGTGACTCATGAGAGAGTTTGTG
CAACTATGTTTCCAAATTTACTTGATTTTCAAGACTTACACTAGAACTGTGCGAACAAGG
TAATAAGTAAAGCATATGTATTAATACAACCTTTGGTCAACTCTTGGGTAGCCCCAGTGT
TGGCCTCCCGCTTTGGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACCGCAGCCAG
CCAACATAGAGATAATCTTAAAGACTCCTAANAAAAAAAAAAAAAAAAAAAAANGTACCTGC
CCG

Sequence 2724

NCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTACTTTTTACTGCATC
CTGCAACAAATATCACTGAAATGATTCATTTCTGGAAGCATTCTACTGGAGCATCCCGTG
GCCTGGAACAGAGCTCTGGGGACTGGCATCCTTCCACTGACTTTGATGCTGATGACAGCC
CTGATCGTGTGATTCAGCTGGCCTTAACCCGACCCACGTGCACGTATTCCTCAGCACATC
TGGAGCTGAAGTCGAGAGCCTCTGTGGGAACGCTTGGCAGCCCATGCTGTTCTAAGGCTG
GAGCAGGATAGACTGCTTTCATCTCTGATGTTAGAAAGCAGACCTGTTTCAGGGTTTGGG
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TCCTAGAAAGAATGGAAGAATGTTTATGTTAGAACATTTTATCTATTC
Sequence 2725

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CNAANTTANNCGNNGGGGGNNGGNAANCCCCCGGNCNTTAANNAAANNGGGGAAAACNTTT
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GNNTAAAAAANAAGGGNCCCCCNGGGGGGNGAGGAATTCANTTNTAGGNTTTTTNNACCCC
CCAANCGGGGGGGG
Sequence 2726

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTT
TTTTTTGGGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCNGGGGGGGANCATGG
GACCTTTNTTCGTTAAAACATCAGGCTCCAAATNTGGACTTTNANCAAAANCCNTTGCCG
GGAACA
Sequence 2727

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AAGGATGCCCANCGGGANACTGTGAGGANATGGAACACAGCCTTCACTNTGTTAATTGTT
CAANAGCAAATCACCTGCCGTGAGGACCATGACANTCCTGGGGGCCATTTGTANAATATT
CATCCCCANACTNTGAACTGAGTCTTGAAGTCTGAGTAANAATTTGCTGGGTGAAAAAAA
GGGTAACGTTNTTTCAAAANGGAGAAACCAGCTTAAACAAGGGTCCCGGGGGGCAGAACA
TCATGATAGGAGTAGGAATGCAGGTGAGGTTTTGGTTTTCTGCAAAATATTGGGTACCTG
CCCGGGCGGCCGTTNTANAACTAGGG
Sequence 2728

CCGCGGTGGCGGCCGAGGACGCGGGTATGCATGCATTTTCTCTGAGTTATATTTTAAAAT
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Table 1

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TCTATGGGACATCGTTTAAAAACTATTGTTTATGCGAGAGCCTTGCTAATTTCCTAAAAA
TTGNGGATACATTTTTTCTCCCATGTATAATTTTCTCACCTT
Sequence 2729
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACCCAAAAGTGGGTCTTG
AAATATAATTGTTTCTGAGAGGAACTTATTCTCAGGATATTTTTGTAAGAGGGACAAAAC
TACTTAACAGTGTGTATCCTTGCAATAAGTATATTAATGAATACGATACAACCATTTTAT
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AGAACAATGGTCATTACTGTATAGAGATGTTTTAAAAAGTCACCATATAAGCTTTGAAAT
AATTCTAATGAAAATTATATGACCTTGAGGCTGGGCGCGGTGGCTCATGCCTGTAATCCC
AGCACTTTGGGGAAGGCCNAGGTGGGTGGATCACAAGGTCAGGAGATCGAGACCATCCTG
GCCAACATGGTGAAACCCTGTCACTACTAAAATACAAAAAATTAGCCCGGGCATGATGGT
GCATGCCTGTAGTCCCAGCTACTTGGGAGGCTGAGGTGGGCGGGTCGCTTGAACCTCAGA
GGCAGAGGTTGCAATGGGCCAAGACGGTGCCACTGCACTCCAACCTGGGGGACAGAGCAA
GACTCTTGTAAAAAAAAAAAAAAA
Sequence 2730
AGGTACTGTCATGCAAGGATGGGAACACATTCTGGGAAATGTGTCGTTAGGCAATTTTGT
TGTGAGAACATTATGGAGTGCATTTACATGGACCCANATAGTANAGCCTACTACATACCT
AGGCTGTATGGCATANCCTGTTGCTCCCAGGATACAAACCTGCNTAGCATGTTACTATAC
TGAGTACTCTTTGGAAGCAGCTGGACTTGGCTTGATCGTANGANAATNCGGNGTCCAGNT
CNCTGGGCANACTTCTCCATGTGTTNCTACATACTGGAACGCCTTNACCAAGCGGAGGGN
NTNTTNCACGCTTCAGGCCCACTGGGAGATCGTTGACGCTTNAAATGCTTGATGACTCCA
TTGGGGTCAA
Sequence 2731
NCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGGGAACCATNTTTNAATTTATTGACATTGNC
AATTNATNAACAAAACAGGATTTTTTTTTTTCC
Sequence 2732
ACTNCTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGNCNNGGGACCTTNGCNNTCNAAA
ANACCANCTNTGACACAGACTAAAAGCATCACCTGCTCAACTCTCAATATTGCTTTATCA
GCATCTTTTCTCTGTAGCTCCAGGGGAATCTTTTCTCTAAAACATTTATGCCCTTGCTTT
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TGTGTTTTTTGTGATATTGAGGCATTCATACAGAGCTGCAGTTAGACGGGGTTACGGGGG
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CATGTCCTTCCC
Sequence 2733
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GCTGACGCACCCANTCCTTAGGGGTCTTTTCTGTTTCTAAGACATGATGTTTTTTGTTTG
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TTCCATGGTCCCCTTTNAATGGATATGCTATTANACACAAGTTCCTGNCTTCATCTTNTT
CAAAGCGCACAGATACCACACCTTTGNACCGGCCCGGGCGGNCGCTCGGN
Sequence 2734
CGCGGTGGGCGGCCAAGGTCCCNGGNNAAAATNAGGAGGANCCCGGAAGGATGGGNTGCA

Table 1

NTTGNGGAGGAGGGTTTCAAAGGAAAAAGGTCGGAAAGCAAAGGCCTGAAAAGCCAGAGG
CAGGTGGAGAGAGGGTGGAAAGTGAGCAGCGGGCCTGGGCTGGAGCCGCACACGCTCTCC
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AAAAAAAAAGAAAGTACCTGCCCGGGNCGGCCCGCTNTAGAACTAGGTGGATCCCCCGGG
NNTGCAGGGAATTTCGATTATCAAGNNTTATTCGATACCCGTCGACCTCGAGGGGGGGGC
CCCGGGTACCCCAGCTTTTGTTCCCTTTTAGTGAAGGGTTTAATTTGNCNCNCTTGGGCG
TAAAT
Sequence 2735
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CCCAGANAGGAGAACTAACCCACACAGGATCATTTNGCGAANGANCAAANGNTTAAATAA
CCAATACCTGNACTTTTTTTTTAGGACAAACTTANTGCANNTTTGAAGGANGCCAACCATG
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TTGCTGTGCTGNTTTAGAGCCCTGGGGGCCGATCTATGCTTTAACACCATCTTACTAACC
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CTTGGGAAATTT
Sequence 2736
CCGGGCAGGTACTGAGTCAAGGACGTCTTTAACGTCATGGACGGCTCCTTTACCCACGCT
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GGAGTGGGTATTGCCCACCCAAATCCTTGGAAGATCTTTGGGAATCTAGGGTCCCCGCCG
TACC
Sequence 2737
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Sequence 2738
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AGTACCTCGGCCCGNTTCTAGAACTAGT
Sequence 2739
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GTTTTGGGTGACTTTCCTACTTAAAATTTTTG
Sequence 2740
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GGGTTCGATTCNTTC
Sequence 2741
CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTNAANATGCTTTCAGTTTAATA

Table 1

GCTGTTTNAAATTTTTTTTTTTTTTTTTTTTTTTTTNAGGNTTTAGGCTGAAAACNNAAAGCCT
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ACCGTTTTTAACCGTCATGGGACGGNTNCTTTACCCACNCTTTNTAANATNTTNGANTGC
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CAAAAGGNTGGAANCTNTGCTTCCTT

Sequence 2742

CGTGGTCGCGGCCGAGGTACATTTCCTTGTAGACTCTGTTAATTTCCTGCAGCTCCTGGT
TGGTTCTGGAGCAGATGATCTCAATGAGAGAGTCCTCGTCGGTTCCCAGCCCCTTCATGG
AAGCTTTTAGCTCAGAAGCGTCATACTGAGCAGGTGTCTTCAATAGGCCCAAAANTCAAC
CNTCTTCCAAGTGGGCCAGNATAAAGGCTTGACTTTNAAGTGGCTGGATGCAAAGGTNCC
TTTTTTGGGTCCCTTCTCTGGGTANGGCCGAAANGGCAATATCCTGTCTCTTGTGCATTG
CCCCGCGTACCTGCCCGGGCGGCCGCTCTAAGAACTAGTGGATCCCCCGGGGCTTGCAG
GAAATTCGATATCAAGCTTAATCGATACCCGTCCNACCTCGAAG

Sequence 2743

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GGAACCGGGCGGAGCGGCCAACATGGCGGAACGCAGGAGACACAAGAAGCGGATCCAGGA
AGTTGGTGAACCATCTAAAGAAGAGAAGGCTGTGGCCAAGTATCTTCGATTCAACTGTCC
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ANGTGGACTGTCTTTTGGATTCAAAGTGGGCAAAGGCCAANAAAAGGAGAGGAAGCTTTA
TTTACAACCAGGGAGTCTGTGGTTGACTACTGCAACAGGCTTTTAAGGAAGCAGTTTTTT
TCACCGAGCCCTAAAAGNTAATGAAANAAATATAACNAAANNCCAGAAANAAGGGGTCCC
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Sequence 2744

TACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGNCAGGTACACGGGGGCT
GTTGGTGGCGGCGGAGACAGCTGTGAAGTGTGAGGTTCTTTGTCTGCTGGCAGCTAGGGG
CGACGAGGCGGNACGTCATGGAAGTGAAGGATGCCAATTCTGCGC

Sequence 2745

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CCCAATTTAACCCAAAGTTNAATNNGNCNAAAAAAAAAATGGGAANGGGNTTNCNNCNTTT
CCGTTTTAAAAAAAAGAAAGGAAG

Sequence 2746

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ACCATGCCCTTTTTCCACTGTTTCTCCATTAATCTCTCACTTGTCTTTAATTGGCACAGG
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Sequence 2747

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AAAAAAGAAAAAAGAAGTTCATTNATTTTGACTCCTACAAAGGCAAGGAATAAGGGTTTT
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Table 1

Sequence 2748
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GGGCGGTGTTAGGGGGCCTCCACCATAGGGACCAACCCTGTGCACCACTTACTGAGCATC
TACTCATGCCCAGCTCANCTCTGAGGTCCCCGCGTACCTCGGCCGCTCTAGAACTAGTA
Sequence 2749
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TCTTCTGCATTGGGTGGCTTATAATTCAGAGTTCCAAATGACCACAGAATCTTGGCAACA
TCTTTACTTCGACAGTGTGCCACTCTAGGAGGCAAAGACGCAGCCACTGCATTCATTACT
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TCCACGTGAGTGAAACGGAACATTTTA
Sequence 2750
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AGGGNGGAGTCNGGACCAAATNTCAGGCCCAGACTCCTGGCTACCANCATGTGCCAAAGT
ACCTGCCCGGGCGGCCGCTCTAGAACTAN
Sequence 2751
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TACACCAGAGAACTCATACAGGAGAGAAGCCCTATCAATGCAGTGAGTGTGGAAAAGCCT
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TTCATACTGGAG
Sequence 2752
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CCTCCCAAAGTGCTGGGATTGCAGGCGTGAGCCACACCACGCCCTTCCTATTCTTGAGTT
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Sequence 2753
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AATGACCCCAACTGGTATGGATATTTTGCAT
Sequence 2754
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GGTGGCCTGCCTGGAGTCACCAACACAAGTGCCAGCATATGTCACCCTAGGGCAAAAGGA

Table 1

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AATCCTCACCCTTAAAGAAAGTAAATTCAAAAATAAAAAGTGACTTTCATATCAGATGCA
CAGAAATCAATGTACCTGCCCG

Sequence 2755
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Sequence 2756
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Sequence 2757
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AGTTGGGATCCCCCGGGCTGC

Sequence 2758
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Sequence 2759
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CCTGAAAATGGCTAACTAGGTAAAGTA

Sequence 2760
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Table 1

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CT
Sequence 2761
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Sequence 2762
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Sequence 2763
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Sequence 2764
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Sequence 2765
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GCGTACCTGCCCGGGCGGC
Sequence 2766
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Table 1

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Sequence 2767
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Sequence 2769
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CATTTTTGGGAGCAGTGAGAGCCCCGCGTACCT
Sequence 2770
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Sequence 2771
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Table 1

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Sequence 2772
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Sequence 2773
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GGTTTCTCACATCACCCTCTGGAGAATGGTGTGGAAACTGCCCTGTTTTTACATCAAGAT
AAAAGCTTCAGGAAGTTACTGGAGAGTGGAATGCAGGGGTCATTCTGGATAACACAAAAT
AACTATTTGATTAGACCAACCATTTGGTCTCTAAAATTGGGTGCTAAAGACAAAGATAGG
AAATTCAAAAAATCACCACCTGTAGAAGAAAAATCAGTTAATAATTTGACAGATTTAAGG
GCCTCACCTTTCTCTCACAGAACTTTACCTCATAACACCCTGTTTGGGAAAATTGGAAAA
TATCTTCTCCTTACCTCCTAGGGGATAAACAAGAGTTTAAATGTTGCCACCAACTCAAAC
AAAACACACCTCATTCTTTATGTTCTGGAGGGAGAGGGAGTCCTTATTTTGCTTCAAAGT
TTCCTTTCTGGAGCTTCTTTTTTTTTAAGCAAAAAAAAAAAAAAAAAAAAAGTACCTCGG
CCCGCTCTAGAACTAGTG
Sequence 2774
CCGGGCAGGTACAATGAGGCAGATGCAGATGCAGTGTGTGTCACTCCAGTCTTGAAGGAG
TTACACTGGCTCTCCAGCAAGGGTATAATCCATATCAAAACCAAAACACTTTATCTTTTC
CATTGCTAAACTTCGGTTCACAAACACCCGATGATAGGCTTCTCGACGATACTTTTTCAG
GGCATGCTTATCCATGTTAGCAGACATATCTGCTGCATTCTGTAACCGATCACTCCAGGA
GGTTGACATTTTATTTTAACTGTATTTTGTATTACTTGTAATCCCAGAACTTTGGGAGGC
CGAGGCGAATGGATCACTTGACGTCAGGAGATCACATCACTGTACCT
Sequence 2775
AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTAANCNNNAAANCCNTTNNNNNAANTTTCCAAA
NTGGTTNGAANTTTNCCNTTTTAAGGTTTTNAACCNNNTTTTTNNAAAACCCCCCCCCCN
TCCGGNAANANTAAGGTTCNNGGNGGCCGTTTNAAAANNANGGAANCCCCCGGNNTGAAG
AAATTCAANTTAAACNTNNTCAANCCCGNCAACCTCAAGGGGGG
Sequence 2776
TCACTNNNAGGGGCCGAATTGGNAGCTTCCACCGCGGTNGGGCCGNGCCCGGNAGAGGTT
TAACCTTTCCGGGGGGGNCCCACCGGTTTNAAGNGGGGGCCCGGGGGGGTTTTAAAGGGGG
GTTTGGGGGGTTTTGGGGAAAATTTGGGGGGGGGGGGGGNNNNNGNNNNNTTTTTTTTTTTTN
GGGGGGGGGGGGGGGGGGNNNNNNNNCCCCCNNGGGGGGGGGGGGGGNNNNNNNNNNNNNGAA
AGAATTGGGCCCANCGGGGGGAAACAACTTAACCTTTGTTTGGCCAAACCGGCCCTTTGG
GCCGGGGGGGCCTTTTTTTTTNTTTTCNANNAAAAAAAAATTNGAAAAACCGGGGANCAAAGA
AAAACCCCGGGGCCCCCCCNTTTTTTTTTTTAAAANCCCCCAAAAACCCAAA
Sequence 2777

Table 1

CCGGGCAGGTACGCGGGAGCTAATCTTTGATAAAGACTAACTATGGGCAAGGCTTTACTC
TTTGTTTGTAGTAACTTACTTAATCCTCATTATAACCCCTTTATATAGATGCTGTATTTT
CTCCATTTTACAGAGAGGAAGTAGAGCCTCAGAGATGTTATGTCACTTGTCAAAAGTCAC
CCAGCTAGTGAATGGCTGGATCAAACTGGATCATGTCCAAGTAGCCTGGCTTCAAAGTTC
ACACGCTTTACTATATTTATTCTTTTTTTTTTTCTTTTGAGATGGAGTTTCGCTCTTGTTG
CCCAGGCTGGAGCACAATGGCATGATCTCAGCTTACCACAACCTCCACCTCCTGGGTTCA
AGCGACTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGATGCGCCACCACGCCTGGCTAATT
TTGNA
Sequence 2778
CCGGGCAGGTACAATAGCCGTGATCTCGGCTCACTGCAACCTCCATCTCCCAAGTTCAAG
CAATTCTCCTGACTTAGCCTCCCAAGTAGCTGGGACTACAGGCACATGCCACCACGCCTG
GCTAATTTTTGTATTTTTTGTAGAGACGGGGTTTCACCGTGTTCGCCAAGGTGGTCTTGA
ACTCCAGGCCTCAAGTGATCTGCCCACCTCGGCCTCTCAAAGTGCTGGGATTACAGGCAT
GAGCCACCACACCTGGCCTGGATTAGTAATTTCGGATTTCCAAATTCAGGTCAAGAAGTG
GAATTTATTATGGTGGGTTCTTGTGAAAAAAATATAAATGTGGCCTTTTAAATATATTTA
GTTTTTTTTTAAACAAAGGCTACTCAAACCATTACCTTCCTGGCCCCCTTGAAAAGAAAA
AAAAAATNTATCCATCCCATTTTGCTTTCTCTAATTTTGAAAAGTCAGAAAGATCTCAAA
GGTTTNTTACTACCGTACCTN
Sequence 2779
AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCAGCATTGCCCACATACCTGGAGTTCC
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GTTCTGAAACTAGGGCAACCGATATCTTGAGTTTCATCTGTTTAGTGTTTNAAACCTGGN
CCTGATGTTAGTGTNCCCATATTAAANATTTGACTGNGGGCCTTCCNAATGCCAATGTAT
CCCGGATGGATGGCCTAAGGTCCTTAACCACAAATGTTAATGCTAAAAATCATGATGATN
ATGTGTGTGTGCGTGTGTGTGTGTGTGTGTGTGTGT
Sequence 2780
ATTGTTATCCCGCTCACAATTTCCACCACCAACATACGAAGCTCGGGGGAGCANTAAAAG
TGTTAAAAGCTCTGGGGAGGTGGCCCTAAATAGGAGATGTAGCCTATACCTCANCAATTT
AANTTNGCCGTTTGNCAGCTTCACCTT
Sequence 2781
ACGACTCACTATAGGNGCCGAATTGGTAGCTCCACCCGCGGTGGCGGCCGAAGTTGCCTC
TTTTAGGAATCTCTTTGGAATTGGGAGCACNGATGACTCTGAGTTTGAGCTATTAAAGTA
CTTCTTACACACCAAAAAAAAAAAAAAAAAAAAAAAAA
Sequence 2782
AGGTACTTTTTTTTTTTTTTTTTTTTTTTTGGNTTCATTTACTCCATTATGTTACGCTTATG
CTTGGGANTTCATTTTCGACATATTGCAAAATTTATACTGTGGTCAGAATTATTCAGGTG
TATCTCCTGANCTGTGGAACNTNCTTTACTACNTTAACCCTTATAAATTTTTAAATTAAA
CCTTTTAACCCTTTTCAGGGGAATAAGGCATTCCCCCAAACCACCAACCTTCTTAACCAA
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TTAATTTANAAAACCTTTTTTGGCNTTTTANANCNTTTTNTGGTCNTCGGNAAANGGGGN
AACATCTTTTGGTACNTTTTTTTTTTCCTNAACCCTTGGANTAANAATTTTTTTTTNTAAA
CCNTCTTATTAANTNGCCTTNTTTNCCTTNCCAATTNTTGGNANTTGAGGGNCAACTTAA
TAGAANANATAACCNTTCCTAATTCAAAAANANNANTNTTTTAAANNGGAACNCTTTNTC
AAATTGGGCCCCCTTTTTTT
Sequence 2783
GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGACGCGGGGAGGCAGACATGGGAGTGC
CAAGGTGGCCAGATGGTTCCAGGACTACAATGTCTTTATTTTTAACTGTTTGCCACTGCT
GCCCTCACCCCTGCCCGGCTCTGGAGTACCTGCCCG
Sequence 2784

Table 1

GGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGTTTCTCTTTCATCTTCACTTTTT
GTTCAGGAGCTTCGACAGCCTTCTCTTGTCTTCTAACGGGACAGTTGGGGCTTCAGGAAG
GGGACTGAGAATAGGGGTGTG
Sequence 2785

ATAGGGCGAATTGGATNTCCCCGCGGTGGCGGNCGAGGTACTTCTGCCTGGGTTATGGGA
GTAAAATCTTGTCCANNGACATCCCAGGGAAGGTGAACTTGCCCAGGCAGATGCGATAGA
CAGCGCTCAGAGGAATCCTCTGCAGCTGCACACAACTAANTCATGATGAANTCNTATTTG
CAAATCAAGANAGTCTTGTCTGNNACCAGTAGAANTNTTTCCTTNTGATTNTTCCANTGG
TNTATCTTTGTCAANANCCAGAAGCCTTGA
Sequence 2786

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTAATTATGCA
ACAACAAGATTTGCAGGGAGCATAACCACATAGTTCCCCTGAGTATGCTGCCAGTATGCT
CCACAAATGATTAAATATAAAATAAACAAGAGCTAACTGTGAATATGAAGTTGTAATTCC
ACCAACGGGGTTCCAGTGATGTCATAAACCACTAGAGCAAAATTCATGTCACCAAAGGAT
CCCAGATGGGCTTAGAGAACTGTACTCAGTAGTGGTCTCTACTACAGACGTGGGTCCAGG
AAACCCTTTTCACCTCTGTTTTCTGCCCCTTCACATCTCTACAAGTGCCCTTCNTTCTTG
GTTTCTTCCTTCAAGTTTTCTAAAATCATACTTATCCTGCTTTTCTAAATGTAAGTTCCT
TTTAATTCATTCATTGGGTCTATCATTCANGGGCAGATGAACCAAATACATNCTTTTGGA
CAACGATTCATAATTATATATACTTTCATTAGAAAAAAAAAAGCCCGATATTTAATAGAA
AATCCCATTTAGGACAAGAGCCTTAAAACGTACCTCGGGCCGCTCTAAGAACTAGTGGGA
TCCCCCNGGCTGNCAGGAATTCGATAT
Sequence 2787

CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGACCCTAGATCCCAAGATCTCCAAGGA
TTTGGTGGGCATACCCACTCCAGCACACAGAAGCATGAGGTTCATGACTCTCCTCTTCCT
GACAGCTCTGGCAGGAGCCCTGGCTGTGCCTATGATCCAGAGGCCGCCTCAGCCCCAGGA
TCGGGGAACCCTTGCCATGAAGCATCAGCAGCTCAAAAGGAAAATGCAGGTGAAGACCCA
GGGTTAGCCAGACAGGCACCAAAGCCAAGGGAAGCAGAAGATCCACCCTTCTGGAAAAAG
GCCTAGACNGGAGCAAAAAAAGCTTGTGGGGGGGACTCGGAAAACTAGGAAAAAGATGCA
GTCCGAAAGATCTAGAAAGCGTGGGGTAAAAGGAGCCGTCCATGACGTTNAAAGACGTCC
CTTGACTCAGTACCTCGGCCCGCTCTTAGAACTAGTGGGATCCCCCGGGGCTGGCAGGAA
ATTCGATATCAAAGCCTTATCGATACCCGTCGACCCTCGAGGGGGGGGCCCGGGTACCCA
GCTTTTTG
Sequence 2788

CTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTNCTGGAAAAAGTCATGGAGGCCATGGGGTTGGCTTGAAACCAGCTTTGGG
GGGTNCGATTCCTTCCTTTTTTG
Sequence 2789

CCGGGCAGGTACAGCGGGGGAGACTGGCAACCTGAAAAAGGCTGTCATTCTACAGGGCTC
TAATGANGTTGAACTTGTTGCTGANGGCAACAGCAGGTTCAC TTACACTGNTCTTGTANA
TGGCTGCTCTAAAAAGACAAATTGAATGGGGAAAGGACAATTCNTTTGGAAATTACCAAA
AAACANAATTAAAGGGCCCANTTTACNGNCCCTGNCCCCTTNCNCTTTGGATAATNTTTC
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CNTTTTTGTTNGGGGAACCAATTNTGNGNCNCCCCAAGCTTCCTTGCTTTTTTTCAAAAAN
TAAAACAATTGGAAAACCTTCNAANATTTCCTTAAAAAATTTTAAAAAAAAAAAAGNAAA
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TCTNTGCTTTTTCCATGTCCTTTNCCTTTTTTTNGTTTAAAACCTTNGCAANACAGGCCCTT
GGAAAATTCNCCTTTTTCNCCAATTTTTTTCCTTTTTNNTTGGGCAACCAATNCCTTAACCCT
TNNGCCTTTTTAA
Sequence 2790

Table 1

AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTACACTGAAAACTTCAAGCA
AGTAGCACCAGGGCTCCCCCTAAGCATAACAGGGGGCCTGATTAGCACCCCAGAAGAACCC
CTCAAAAAGTATATAAATTTATTGCGTCCTAGCAAAGATCTGCAGCTTCCAGTATTCACA
CAATGTGAAGATATTAACAATACAAAATATATTTTGAAAGTCAAACACCTGTAGTTCATA
GTGCTTTTTTAGATTTGTTAAAAAAAATACAATGCTTAGTTTCCTATATAGGATATACAA
AAGCAAAAAATACATATGTATATAGTAGAAATAAATCAGCCATAGTAATTTACAGCTTTT
GTCTCCAACCCTCCCCTAATCATAATCTTTATCCCACACTTCAGTATATACTTTCTGGGA
TCAAAGGATCAATTTATTCTGAACCAGG
Sequence 2791

NCTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAGGACTGCATCGAGTC
CACTGGAGACTATTTTCTTCTCTGTGACGCCGAGGGGCCATGGGGCATCATTCTGGAGTC
CCTGGCCATACTTGGCATCGTGGTCACAATTCTGCTACTCTTAGCATTTCTCTTCCTCAT
GCGAAAGATCCAAGACTGCAGCCAAGTGGAATGTCCTCCCCACCCAGCTCCTCTTCCTCC
TGAGTGTCCTGGGGCTCTTCGGACTCGCTTTTGCCTTCATCATCGAGCTCAATCAACAAA
CTGCCCCCGTACCTGCCCG
Sequence 2792

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACCGCGGCCCGN
TAAACATGTGTCACTGGGCAGGCGGGGCCTCTAATACTGGTGATGCTAGAGGTGATGTTT
TTGGTAAACAGGCGGGGTAAGAATTTGCCNAGTTCTNTACTTTTTTNACCCTTTCCTTAT
GAANCATGCCTGGGTGGGGTGACAGTGNAGGGGTAAATAAATGACTTTGTTGGGNTGAAT
TGTAAGAATATTGGGCCTGGTTAATTGTCAAGTCAAGTGTTTTAAATCTGACCNCAGGCT
TTATGCCGGANGAAGAATGTTTTCATGGTTACCTTATACTAACATTAGTCTTCTATAGGG
TGATAGAATTGGTCCAATTTGGGGTGTGAAGGAAGTTCAAGTTATATGTTTGGGGATTTT
TTTAAGGTANTGGGTCCCCGCGTACCTCGGCCCGCTCTAAGAACTAGTGGGATCCCCCCG
GGCCT
Sequence 2793

CCGGGCAGGTACTTTTTTNNTTNTNNTTTTTNTTTTTNNGGGCAGGGGCANATGGCTGTTT
NTTGATCCTTNAGTCTTGNTTNAATTANATCATACTTTTGCCAGCGAGANATGGAAACAG
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CATTGGGGAAGGCTAATCTCCACTGGACCCCCCAGGCTTGCTTTAACACAGGATTTTGGG
GCTTGCTNCAGGCTTGTCGCTTTTTTTGGTATCTCCTAATCGCAAAAAGAAGCGTCCAGC
AACAACCAGGATTCCAAGCGCCGNGGCCACACCCGACTTCAACCTTGGCCTTTTCCACCT
GTTTACAGCGGGACTTTGCCATATCTCAACTGGGTGACAAAAGTGCTCACAGTTCTGCTT
ACAAAACTGGACCTNGGCCCGTCTANAACTANTGGATCCCCCCGGGCTGCANGAATTCNA
ATATTAAGCTTTATCGATACCGNCNANCCTTGAGGGGGGGGGC
Sequence 2794

CTATGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACTCTGCTCAAAATGGCTG
GTGCTACTGGTGCACTAAGTTGTGAGGAATTACCTCTGCTCGGGACAGAATAAAAAATCC
TAGGCCTCAAGGAAAAACTGGTGGCATCCTTCTGGGTCTTTTCAAGTCCTTGCATCTAAA
AATCAATCTTGACAAAAATAAAACAAAAAGCCACAACAAAAGAAAGCCAAACCAATCCCC
CACCCTAAAGGAAGAAAAAAATTGATGTGAAAGCCCATCCACCCTTCTACCC
Sequence 2795

AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACTCACTGCTGCAGGCA
GCCCTGCTCTGCGTCAACGCCATCGCAGTGCTGCACGAGGAGCGATTCCTCAAGAACATT
GGCTGGGGAACAGACCAGGGAATTGGTGGATTTGGAGAAAGCCGGGAATTAAATCACAAG
CTAATGAACCTTATTCGATCTGTAAGAACCCGTGATGAGAAGTGCCATTGATAATAAGTA
AACTCAATTGCAATTGTGTTACTTTTATTATTTGGATGAATATCAAGTGGAGAAAATGGA
GACTCAGAAGANGACATGCCAGTAGAAAGTTATTACTTTGGTCATTATTGGGAATATTTA
TATCTTAGCTGGCTGACCTTGCACTTGTCAAAAAATGTAAAGCTGAAAATAAAAACCAGG
Sequence 2795

Table 1

GGTTCTATTTATCTGGTTTTTTTTTAATGGTGCACTTGNAGGTTCATTCCAAAGAATCAGA
TCTGGAAGGCAGNACCTTTCCAGACTGGAATTCTGATGCTCANGGTNATATAGTTCATGC
CTNGGNGAGAATGNTNAAAGGGGGCCAGACTGGGGCTTNCTTTTTTTAAAAAATTTTCTAT
CNCCCCCTTCCCAGGGATGAAAAATTTTTTTTTCAAAGGNTTGGAAGGTNCTTGGACNTAA
CCCCTGANGGGGNGGGGGGGTTTNCCNTNAATAAAAATTAAAAAGGGTTTTTTAAAANGAA
TTTCCCCCCANAAAAANGNAAAANAGGGGNANTTNNAAAATTTTTTT
Sequence 2796

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACAGCCACGGTCA
CACACTACCCACAGCGCGGTGGCAGGCCCGCTGCTCAATGAGGAGACGATCACACCATTT
CGGAGATAAGCAGTGCCATTGTGTCTGGAGGAGAAGAGAGAATTAAAAATAAAATAGAAT
TCAACAAAAAATATATATAGAAAAAAAAGAAAAAAAAAACCAAACAGAAAGTACCTCGGC
CG
Sequence 2797

ACACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTCGTA
ATAAATATGCATCCGGAAACAAGATAAAAGGCTACACCTCGTCAGGCATCCTACAAAAAT
GTCTCAAGTTTTATATACTCTGCAGCATTTCTGTGCGGGGGCAGAAGGGGCTGTTGTGTA
TTTTCTGAAGTGCTGTGACAAAAGGTCCTTTTCACATTTTCTTTTGGGAAGCATTTTTGA
AATTGCTTAACTATAATTAAACAACTTAAGAAAAGTAACACCAAGCTTTAAAGCCATTTT
TGCTTTGCTGTCATTGGTCCTTATCCAATACAGATCAACATATCATCCAGCACAGCCCCC
GCGTACCTCGGCCCGCTCTAGAAACTAGTGGATCCCCCGGGGCTGCAAGGGAANTTCCGA
TATCAAAGGCTTTATCGATTACCGTTCGAACCTTCGAGGGGGGGGGCCCCGG
Sequence 2798

ACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTCTCTTCCCACTCTGCG
GTTCTGCCAAGCACCTTGCCTGGGCACTTGTGTGTGTGCAAGACTCTACAGTGTGTTGTC
TGCTGCTTTTTTTTTTTTTTTTCTTCTTCTGTTTCAATTGGCAGCTCTGTTTCCTAAAGTGGA
ATGAACTGAAGATACAAATACTAATAGAAGATAAAATACCCATAAGCTGAAAAAAAGAGA
CAGAGAGCAATCATGTTCAATGTCACCATCCTGCCAACCCCCACTCTGTAAAATATACAT
TATCACCTACTCTCAGCATCTCACTTTTGACACTAAAACTTAAAATAATTTTATTTAATA
GGGAGAATTTATAATTATTAGTTTTTTATTTCAAAAAAAAANAAAAATAATCCCACAACCAG
GAAAACCCCTACAACTGGGTTGCAAACTCAGGGCTTT
Sequence 2799

CACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGGGGAACTCATCTTCTAACT
TCTTCTTGAGCTGAAGATACTTGGACTTGTAGCCTCAAGCGCCACAATAAACGACTCGGA
CGGCGAGAGCCATGGCTCGGGGCTGCCACATCCGCTGAGGAGCGGACGCCCGGGCCACAC
TCCCCGCGTACCTCGGCCGCTCTAGAACTAGTGGGATCCCCCGGGGCTnnnnnnnnnnnnn
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nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnCGCTCACAATTTCCACACAAACATACGAAGCCCGGGAGCANTAAAGTGT
AAAAGGCCTGGGGGGGTGCCTAATGAGTGGAGCCTAACTTCA
Sequence 2800

ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGT
GGGGGGGGTCCTGGTCTTTGGCTTCTCGACTCGGTCCTGTTTCGACAGCGAACATGTCGC
GGCCTGTCAGAAATAGGAAGGTTGTTGATTACTCACAGTTTCAGGAATCTGATGATGCAG
ATGAAGATTATGGAAGAGATTCGGGCCCTTCCACTAAGAAAANTTCGGATTCATCTCCCC
GAAGAAAGCTAAAAAATAATTAGGNCGATCTGGAAAGAATTCACAGGNAAGATAGTGAGG
ACTCANAAGCACAAAGATGTGAAGGACCAATGAAGGATGATTCTCACTCAGCAGAGGATA
GTGAAGGATNAAAAAGAAAGATCATAAAAAAATGTTGCCGCCAACAAACGGCAAGGGNGGC
ATTCTAAAGCAACCTTCTAAACAAGAA
Sequence 2801

Table 1

TCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTT
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ACGATGGTGATGAGGAATGCCTTGCCAGGCTCTCCCAGACACATCTGTGGTTCTGGGCTG
TGAATGTTAAACACACACTGGGATAGACGACCAGGGATGANGTGTTCCCTATNTTCTCCC
CGCCCACCANTTGTCAATGTGGCCTAAAAAAAGGCTTTAAAGGGAAAACNAAACTTAAAA
AAACATTGAGTTTCCCTGCATTTAGCTGAAACAGGGATCTCGTCTGAAGGGCTGGAGGAA
GCAGCNCGGATCAGCCACTTGCCTCCCGGCCCACGGCTCGCTCTAGAAACTAGTGGGATC
CCCCGGGGCTG
Sequence 2802
NGTGCCAAGCTGCCATTAAATGAATCGGCCAACGCCGCGGGGGGAGAGGCCGGTTTGCGTA
TTGGGGCGCTCTTCCCGCTTTCCTTCGGCTCACTGACTTCGCCTGCGCTCGGGTNCGTTC
GGCTGC
Sequence 2803
AGGTACGCGGGGGACTGCTAGGGGCTTAAGCGGAGGGAGTCGAGCCAGCGTCGCCGCGATG
GTGTTGTTGGAGAGCGAGCAGTTCCTGACGGAGCTGACCAGACTTTTCCAGAAGTGCCGG
ACGTCGGGCAGCGTCTATATCACCTTGAAGAAGTATGACGGTCGAAACCAAAACCCATTC
CAAAGAAAGGTACCTTGCCCGGGCGGCnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
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GTTTCCTGTGTGAAAATTGTTTAATCCCGCTCACAATTTTCCACACAACAATTACCGA
Sequence 2804
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AGAGTTACAAGGTGGGCAAACCCAGGGTCTAGTATCGTTTCTCAGGGGAAATTCGCTGTC
GGGGAAAATGGAGCACTCCCACATCTATTAAAAAAATGAAAGAAAATCCTGGGGGTGCAT
CTTGCTCTCTGTAGGACTTGGCCTCATGTGAATTCCCAGGAAGCTGTGTTTCCAGAGGCA
TGCTCTTTCCAAACCCATCCTGCTGCTCTCAGTGTTCTCCTGCTTCGCCTAATGTGGACA
GATCTCACCGGGATGCCCACCGTTGGGAAGTCGGGAAGTGAATAAGTGGGGCCTTGCCCG
GGGGGTTGCCCGGGGGGGAGGTGCCTGGGNTATTAGGAGGAAGACTTAAGTG
Sequence 2805
CCGGGCAGGTACGCGGGGGGGGTTGTGGAGTGGATGCTTTGGCAAGATGGCGGGGGAGCGG
CGTCCGCCAAGTTACTTCTACCGCCAGCACCTTCGTGAAGCCCATTTTCAGTCGGGACAT
GAACGAGGCCAAGCGGAGGGTGCGCGAGCTCTACCGCGCCTGGTATTCGGGGAGGGTGCC
GAACACTTGTGCACCAATTTCCAAGCTTGGACATCACNTGTGAAAATGGGACGGGATAAA
GTCCGAGAAAATGTTTATGAAGAAATGCCCATGTCACAGACCCCAGGGTGGTTTGATCTT
CTGGTCATTAAGGGAAAGATCCGAACTGGAAGAAAACAATTAAAGTAATGGAAAGCNAGC
GGGACACATTGTTTATTGCCGGTTCTTCCATGAAAACAAGAAGCCGCCAAGGGCCAAAGG
GATTTTCCTATCC
Sequence 2806
ACCTGTCGTGCCAAGCTGCATTTAATGAATCGGCCAACCGCGCGGGGGAGAGGCGGTTTT
GCCGTATTGGGGCGCTTCTTTCCCGCTTTCCTTCGCTCACTTGACTTCGCTTGCGCTCGG
GTCCGTTT
Sequence 2807
GACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTAATTTGTTC
TTATCTTTTTTCCCTTCCTTTTAATCGCCTAGGCTATTTTCCTGCATTATTCATTTTTAA
ACTTTTAAAATCCAGAGTGGGTTAAAATGCTTATTTTACTCAAAGACTGTTTACACTGCA
CTGTTGAAACATCAGATTATCAAGTTCAAGTCTTTAAGGGGAACCATCTCTTTTTGACATC
TTAAAATTTAACTCGAAAAGAGTTTCTTTAAGCTGTTAGGTGTAAAAATATTTTAACTTT
CTTATTTCAAATTTTAAAAAACTCATACATATCAGTTCATGTATTCATTTCATTCAGTAAG

Table 1

TATGCAATGTGNCATATACCTGTATACCCAGGGCATTGTGCCTAAAGTGCCTGAGGGCTT
CTAAGGGTGAAACACCAATTTTTTTTTGG
Sequence 2808
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CAGCTCATCTGGAATACTACAGTCTTGAGGACGTGCTTTCCATACGCCCTGTGTCTGGTC
TACATGCAGGCGTGTCTTGTGATAAATCCTGTTACGGGCATGTGTGTGTGAGGGCTTCTA
TGTGGCCCCCCGACTCCATTTTATTAGAGTTTGGCATAAGTTGACTCCATTTTGGTTCCA
GCAACTTTCACATAAGGAAACTGAGGCTCAGAGAAGTCAAGGGACTTGCCCCCAGGTCCC
ACTAACACTGTGCAGTGGAGTGATGCAAACCCCAGTTTTCCCAGTGGATGGAAGCTGCTG
TGGGTTGAAGTGCAAGGGTTGCCGGTGTTGAAACCAGAGGGGGTGGTGCCAGAAGACCAA
GTGTGGGGAATGTGAAGAAGCCCCGCGTTACCCTTCGGGCCCGC
Sequence 2809
CGACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTT
TTTTTTTTTTTTTTCAATGTTGTTGTCTANACTTCTATGTAGTTTTAANACTGCTAATATG
TATTNAATTTCCAGGTTTTTTTAGTTTTCTATTTCTTTTCACATAACGTTTNTTCTTGCT
TCAGTCATATAATATCCTGNGTATCTGAATATTAATCTTCATTTTGGTTTNGAAACATTT
TTTTTTNTTACCAAATGAAGAGGTTGATTGATTTGGAGTTTTCCTGGACAGTGATATACA
TGANCTTTTTTTTAAAAAAAGAAACATGATGTTATTAGGGNGTAANCTTTTTTTNTTTTGGA
AGTAATAAAAATACCTNAAAAATGTATTCATCTTAGGTGGTNCCTTCTAAAAAGG
Sequence 2810
GGAGCTCCCCGCGGTGGCGGCCGAGGTACAGCTTTACATTCTATAAACTTGAATTTCAAA
CTTCAACACCCCTCACTAATCAGCCATCCGAAGAAAGGATATTGAACATAAGCAAATCCT
CTTGGACGGCGAGTGTAGAAATCAAGTGGAACATACACATCAACTATAGGACCATAACGA
CCAAATTCACGCCCGCAAGGTCTTCAGACCTGGTGTCGTCGGCCACGTTCCTGACGAACA
GAGACGTGTTGGGGGGACGCAGGTAGCGGGACATGGCGGCGGCGTGTCTnnnnnnnnnnn
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CCTCGAGGGGGGGGGGCCCGGTNACCCAGCCTTTTTGTTCCCTTTTAGTGGAGGGGTTAA
ATTTGCCGCCGCTTTGGCCGTA
Sequence 2811
CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGGACACCCTAGATCCCAAGATCTCCAA
GGATTTGGTGGCATACCCACTCCAGCACACAGAAGCATGAGGTTCATGACTCTCCTCTTC
CTGACAGCTCTGGCAGGAGCCCTGGTCTGTGCCTATGATCCAGAGGCCGCCTCTGCCCCA
GGATCGGGGGGAACCCTTGCCATGAAGCATCAGCAAGCTCAAAAGGAAAATGCAGGTGAAG
ACCCAGGGTTAGCCAGACAGGCACCAAAGCCAAGGAAGCAGAGATCCAGCCTTCTGGAAA
AAGGCCTAGACGGAGCAAAAAAAGCTGTGGGGGGACTCGGAAAACTAGGAAAAAGGATG
CAGTCGAAGGATCTTAGAAAAGGCGTTGGGGTAAAAGGGAGCCCGTTCCCATGGACGTTA
AAAAGACGTCCTTGA
Sequence 2812
ACTNCTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCAGCACC
TCTGAGAAAGAAAAAGCCAGACAAACATGAGGATAACAGAAGAAGTTGGGCAAGCCCGGT
TTATACAGAAGCAGATGGAACATTTTCAAGACTCTTTCAAAAGATTTATGGTGAGAATGG
GAGTAAGTCCATGAGTGATGTCAGCGCCAGAAAGATGTTCAAAACTTGCGTCAGCTGCGT
TACGAGGAGATGCAGAAAATAAAATCACAATTAAAAGAACAAGATCAGAAATGGCAGGAT
GACCTTGCAAAATGGAAAGATCGTCGAAAAAGTTACACTTCAGATCTTGCAAANTNAAAA
ATTAAAANGGTACCTTNGGCCCGCTCTAGAAACTAGTGGGATCCCCCGGGGCTGGCAGGN
AATTTCGATATCAAGGCTTTTATCCGGATACCGTCNGACCTCGAGGGGGGGGGGGCCC
Sequence 2813
ACGCAAGAAAAGAACATGGTGAGCCAAAAGGCCAGCAAAAAGGCCAGGAACnnnnnnnnn
nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn

Table 1

nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
CTGGGAAGCTCCCTCGTNGCGCTCTCCTGTTTCCGACCCTNCCGCTTACCCGGATACCTG
TCCGCNTTTTCTCCCTTC
Sequence 2814
CCGCGGTGGCGGCCGAGGTACTTGCGTCCGCTACAGTATGTCAATCGCTTGCCCCAGCAC
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ACAGTTGTCCCCTATTGCTTCTGCCCCAAGACTCTCCTTCCTAATTCATGCAAAAGCCTT
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CGATATCAAAGGCTTATCGATACCCGTCGACCTCGAGGGGGGGGGCCCCCGGTACCCAGC
TTTTTGTTCCCTTTAAGTGGAGGG
Sequence 2815
GGTGGCGGCCGCCCGGGCAGGTACGCGGGACCAACAATGTTAGACAAATGTANCCAAACC
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ACTCTTTTGGGAAG
Sequence 2816
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ATTCTCCTTCCCCTTCCCTANGAAATGGGCNNANAGGGGTTNAGGGGCCAACTTTGGCTG
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Sequence 2817
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TGTCATTCTTCAGAAAAGCAACAACTGGCCAGAGTTCTTCACCTCCTATCAGGAGTCCAT
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CATCCAATAAATCTAAGTTCAAAGAGCAGTGCTTTAAGAAAGGGACCATCTTCAGGGAAC
AGGCACATAACTTGCT
Sequence 2818
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CACAGCAGCTTTATTTATAAAAGCTTGAAAATGGAAAACCGGCCCAACCGCCATCCACAT
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AAAAAGGAACGGATCANAAACGCATGCAACAGTGTGGACCAATCTTAAAATAGTTGTGTG
GACTAGAATGAGCCAGTCCAAAACAGAATCCTGA
Sequence 2819
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ACTCTGNGAAACATTTCTTNAGGGAAAATGTTCCCGGGTATATTTTGNATTTNTGCCNCT
GCCTTTTATAAAAGGTCTCATTATTTCATGAACTTTAATTTACCAGGCCAAGTCC
Sequence 2820
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CAGGTAGCAGCAGAACCTTGAGCCCCCACATCCTGCTGATGGAAATCTGTTGTCTGGCTT

Table 1

CGTTTCGGCAGCAAAGTGTGGGCACACCATCAGGGGTGCTAGATTTATTCCATCGGGATT
GCGCCCCGCGTACCTGCCCGGGCGGC

Sequence 2821
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AAAAAAAAAGGTACCT

Sequence 2822
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GTGTTCAAAGACACATCTCTGAAAACACAAACTACAATCATCCTCCTGAGGCAGTTTCCG
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ACAATGTGGGCATTGACTTGTCCCCTGAGCCCAAAAGCTTCAATTACCCATTGCTCTCGT
CCCCAGGTGATCAGCTTGAAATTCAGCTAACCGAGCAGCTACGGTCCCTCATCCCCAACG
AGGGGATGTGAGGAAAGTTCATGTCTCATGTTATCTGGACCTTGAAAATGGGAA

Sequence 2823
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CNAGAAAAGAACATTAAATCAGTTTTTATAACTGTATACTGTACATCCCCCAAATTAAGT
NGACAAAAAAAAAGATATAAAAATATTCAAGCTAACATTAAGAAAGAAAAACTGGGGCTT
GGTGCTGTGGCTCAT

Sequence 2824
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AGCATTCACCTGCCCTGTCTCCAAACAGAGCCACCAAGGAGGAGCAGGGGAGCGA

Sequence 2825
CCGCGGTGGCGGCCGATGCACAGAGTAGAGCCTTGTGCAGGTAAATTTCTCATCCCAGCA
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GTACCTGCCCG

Sequence 2826
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NGGNCCCNCAAAAAAAANNNGGGNANNNCNCGGGGGGANGGGAAA

Sequence 2828
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TTGAATGTTCCACGGAAACACTGGTGGACAGATTCTAGTGCTGAGAAGAAACACGTTTGG
TTTGGAGAGTCCATGGATGGNGGTTTTCAGTTTAGCTACGGCAATCCTGAACTTCCTGAA
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Table 1

ATCACATATCACTGCAAAAATAGCATTGCATACATGGATCAGGCCAGTGGAAATGTAAAG
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TTCACCTACACAGTTCTGGAGGATGGTTGCA
Sequence 2829
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AGCATGGTTCCTCCCTATCTCCTACTCAAGCAGGTCCT
Sequence 2830
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NNTTANTACCCCCGGTCTGAGTANTNGGTGGAAAGTGGTTTGGTTTANANGTCCGGGAAN
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GATGTAAATNATTTATANCGAANGGGGGGCTTC
Sequence 2831
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CCGCGTACCTGCCCG
Sequence 2832
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CCATCCAATGAATATAAAACCCCAGCTTNTTCTGGTGTTTTTCCCTGANAAGGGAAAAAT
AAGAGCACTGGTTAAGTTTGGGACCGNATCCTTCTTCTCTTGGGACTTCTCTTCCTCTTA
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Sequence 2833
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TAAAATCTGTAAAGTTTGTTTTGTGAAAATAAAATGTTCACAGTAGAATTTTTCTCTGAA
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TNCCCNTTNAANCNGGGGGGNGNAAAAAANCAGCCNNTTTNNCCNTTTTNTTTGTTAAAANN
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Sequence 2834
CCCGCGGTGGCGGCCGAGGTACTTTCTTTTTTTNTTTTNTTTTTTCGCAAAATAATGGAAG
ATCCTTTTGAAACTTACNNTCTTCAGNTATCAATATTACTGCATT
Sequence 2835
TAATACGACTCACTATAGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACGCG

Table 1

GGGATCTCACAGAAAATGACCAGGTGTGGCTCCAGCTTCCCAATGCCGAGTCAAATGGCC
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Sequence 2836
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TGGCTGATCAAAGAAAGAAGGCATACGCAGATTTCTACAGAAACTACGATGTCATGAAAG
ATTTTGAGGAGATGAGGAAGGCTGGTATCTTTCAGAGTGTAAAGTAATCTTGGAATATAA
AGAATTTCTTCAGGTTGAATTACCTAGAAGTTTGTCACTGACTTGTGTTCCTGAACTATG
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NAAAAAAANNAAAAANANAGTACCTGCCCG
Sequence 2837
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CACCAAGCCACAGATGTGGAGGAGGCAGGTAGGGGGTCAAAGAGGGGTGGTATCGGTTAT
TCAGGACTTTTTTTTTTTCTTAAATATCCTGTGCTTCTTTCAATCATTTGAAGGTAAAACC
AGGTCCTGTGAGTGGTAAACTGATTTTTTGGTTCTTATGAAGGTATTATTTTCTGTGTAGA
TATTTGTTAACTTGGTGTCCTTGCAGGGTAGACGATCAGCGAAGCTTTCTGTTCCACCAT
CTTGCTCCTCTCATTTTAGACCTAATATATTGACTATAAGTGTTNCCCTCTGGAAGTATT
GACTATATCTGCATCAATACTAAGAAAATAAAATNTAATCATAGAGACTGAAACATATTA
A
Sequence 2838
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GTACAATGAGTATCATTTTCACATCTTATCTTAAAAATGCCTGGAGAAGGATTCAGGNCC
CTGCCAATTTGGTTTCTTTGCCAAAAATCNGGTCCTTGTNTTCTTACCACTTAAATTTTT
TTCCAAAAATTATTTNNNCTTAAGATTATCCCATTTGTTTAAATTTTTTGAAAGGTAAAAN
TTTCAAAAAAAGGNCCCCGGCAAGGGTTNAATGGANNTTTTGGGG
Sequence 2839
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TAAATGGGCATTTTCACAATGTAATCTGCAACCTACATATAACATGCACTCTTTATTGAA
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CATCAAAGAATTGGGTGACCACGTGACCAACTTGCGCAAGATGGGAGCGCCCGAATCTGG
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CTCGGGCTAATTTCCCCATAGCCGTGGGGTGACTTCCCTGGTCACCAAGGCAGTGCATGC
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GATCCCC
Sequence 2840
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TTGCCCAGGCTGGTCTTGAACAATCCTCCCACCTNTGCCTGCCAAGTAACTGGGATTATA
GGAATGAGCCATCATGCCTGGCTCAAATATACTCCATTATAATCATATGGGACCCTGTCC
TATATGGGGTCTGTCACTAACTGAATCATCGTTATGCANCACATGACTGCTATGTGTATA
TATGTATTTATTTATAAGAAATAAATATTACATACCAGAATTTTACAGTTTTGTCCTCTA

Table 1

ACTCTTTGGAATGCTAAAGGACAGACACTTGTNTTTTTAAATACCCCCATTGTACCTGCC
CG
Sequence 2841
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TGCACCACTGCACTCCAGCCTAGGTGACANAGCCAGGCCCTGTCTTAAAGAGGAAAAACC
ATTCCTAGCTCACGGGGCCACATGCCATANTTTGCTGACCCCTGAATTCAACCTTTNTGC
TTTTCTGCAAGCTGCCTCTCTCTCGAAATGTTTTGACATCTAGCTTGCTGACACCTTTGA
TTCAAGCCTGGCGCAGCGGGACTGGCTGANCTCACCTGCCCGGGCGGCCGCTCTAAAACT
AGTG
Sequence 2842
GGCGAATTGGAGCTCCCCGCGGNGGCGGCCCGAGGTACCACGATAAGANGCANGCCAAAG
TATTGTCATGAAAGGTAGGGAANGAGCATGGNGAGGCCTCAGTGGAAAGGTACAACCGC
Sequence 2843
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AGACAAATTCANAATATGATCCTTCTCGGTGTTTTGCCTTTGTTCACGACCTGTGTGATG
AAGAGAAGAGTTACCCAGTGCCCAAGGGCAGTCTTGATATTATCATTCTCATATTTGTTC
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AACCTGGCGGGATGATGCTTCTGCGAGATTA
Sequence 2844
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ACTTTGAGCACAAGGGAGAAGAGAGTTATTAGCACTCCTGAGGCCTCTGGAATGCTGCTT
TTCTATCCAGGTATCTTGCTTGCTACCAGCAGAATTGACTGGTATTGGTTCTCACTGGCC
AGGGAGCCTCTGCTCTGTTCCTGGAATATAAGGCTTTTATTCAGGAGCAAATCATTGATA
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Sequence 2845
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GAGCAGGAAAAAGTGCAACAGGAAACAGCATCCTTGGCCGGAAAGTGTTTCATTCTGGCA
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Sequence 2846
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Sequence 2847
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Table 1

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Sequence 2848
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TCTCTTTTTTTCCATGGTTCGCNTTNAGGAGGTAATTTNCTTCANCNACTANAGGATNTC
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Sequence 2849
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TTAACAAGTGAGGCACAGNTTAAAAGTTTTAAACAGCAAT
Sequence 2850
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TCCACCTGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGCTACTGTGCCTGGCC
CGAAGATTTCATATTTATAAGAAGAGAGAATAATTNTCTTTAAACCAAAGTTTAAAATAT
CAGGAGAAAACATAATAAAAGCATCATTATGAAAGTATCTAAATCTTTCATTTTAAATT
Sequence 2851
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ACAAAACAGGAAACATGCCAAGTTTGTTTCAACGCATTGATGACTTCTCCAAGGATCTTC
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GNCGCTCTAGAACTAAGTGGAT
Sequence 2852
AATGCGGCCGTAAGAAGAAAACTGGCTCCCAACAGAAGCAGAAAAGAGAAGCGAAAAGCA
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ACTCTGCTTAGAAATAAAGCACAAGAAGATAAAGTATTATGGAAAGCAATTGCCCTATTG
ATTATTTCCTAGGTGTCTAAATCACAATCATTTAAGCTAATTATACACCAGCATATGATA
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CATAGTGAGGGTAATCACAGGGAGTCAGAGCTTAGGAAATAATNCACAACTTTAGTATCC
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Table 1

Sequence 2853
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GATTAGGTTCTGTGGGATGCCTTGTTCTTAATTTAACTCTGAGTTCCAGGATTTCATTCC
CTTTATAACATCTCTAACAGGGTCATGTTCAATTTAGTGCAAGTGCAAAATGAAAATGAA
ATGAAACCAACAAATACATTAGGAGCGAAGGCTGATCGTTAAGATCTGTAGTCCCCGCGT
ACCTCGGCCGCGACCA

Sequence 2854
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CCACTGCACTCCTCTCAAGCCCCAAGTTTTCACTGGCAAGGGGACAGCATTTATAGGACT
CTTAAGTGCATCCCCTAATCCTGTCAATGTCTCACCTGATTCCCTCGGGGTCCAGGACTT
GGTGTTCCAGTTGAGGTAGGGCTGGGCATCTGGTTTCTGAAAANTGAGGTCTCTGGAAGT
CT

Sequence 2855
CCGCGGTGGCGGCCGAGGTACAAGTTCCTAGGCAGGTCCCAGCACACTCATAATAAGTGT
GATACAACAGGGTTTTAGTCATGATGTTCCCCGACCACGTAGTGTGGGTGCAGTGGAGGC
ATCCCTCCCAGGGTTCTCCTTTTAACATGGATAAGGGGAGTAGCAAGAACAAAGTGATGA
GTAGCATGTTCATACCCAGCATGGACAGAAAAGGCTTTTTCCTGGGGGGAGAAGGCTAAG
CAAAGTGGCAGCTTAATAGCAAAGTAATTAATATGACAAGGAAAATTACTGGACTTCAGA
TTTCTAACCACATTTACTTCCCTGATGATGACTCAAGCTT

Sequence 2856 ·
GAACCCACCGCGGCGGCGGCCGCCCGGGCAGGGACGTNGNGAGGGGGNGAGNAAACCCGC
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TCTAAGAAAGANAGAGATNAANACAACTACTNAAAAAAANATAGACAATAGGCNACTAAGA
NANTGCTTATCNGGGNAAGTTTNNAACGGAANGGGAATAGCCCAAGANAANAAGAGAAAAN
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GGAGGGGCGAGANGAAGCNNCCACANGGAGAAAAAAAAGCATGNCAAAAGAAAATGGAGA
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GAAGGNGACCGAAACAGCNNAAAAGNCNNAGGGNAAAANGNGGGAGGCGACCAAAAAAATG
GGAAGGCGAACCNNAGAAAAAGAGAACAAACCGAAGGGGGAAGAANAGACCNNGAAANCC
ATGACGCAAGGGAGAAACCGCGANANNNAAAGCCCAGGGAANGNAANNACCAAANCGCAN
ACCAAAAGGGAAAGAAA

Sequence 2857
AGCGGCCGCCCGGGCAGGTACGCGGGGACCTCAAGCCATGGGCCTCTGCGAAGCGCCGGC
GTGCCCACGGCTAAGAAACTTCCTCTTTCTGCTCCCGGGAACGAAGGCTGTAGCAGAGAA
GGCCTTCAAGTTTCGAGACCAGTTCCAGCCGCAGCCCGAGCACTGGTGACCTTGAATTAA
GTCTAATGTTGGGATTGGAAGACGCTTCAGACATCCGCTGCCGCCCTGGGCAAGCGACCA
GCTCAAGGTTACCCCACAGGGACGTGCTCTGGTCCCACGGTCCAGTGCTCTTTTGTCGGT
TAGTTTTGTCATTTGTAAAATAGGAACAGTAGATAGTGGTAGGAAAGTGGTTGTGAAAAC
TTAATAGAAAGCTAAGCGCCTTGGTCGGGCGCAGTGGCATGTCACCCCTGCAATTCTATC
ACTTTTGGAGGCTTGAGGCGGGCCGGATCGTTTGAACCCAGGAATTCGAAACCAGTTCTG
GGCAATATGAAAACCCCATCTTTTGCAAATAAAGTACCTTCGGCCGCTTTTANNAACTAA
GTGGGATNCCCCCGGGCTTGCAGGGAATTCNATATTAAACCTTATTCGATACCGGNCGAC
CCTTCGANGGGGGGG

Sequence 2858
CCGGGCAGGTACCAGGCAGGATGGAGCAGGATGGTGTGAGATTTCATCACACTACTCAGG
ATAGTGCACAATCTAACACTTATGAATTGTTTATTTCTAAAGTTTTTCCATTTAATATATT

Table 1

TGAAATGAAGTAGACCCTGTGTGTAGCTGAAACTTTGGAAAGGAAAACTATGGATAAGGG
GGACTACTAGAATACACTTCAATAAAATAGCATTTTAACAAAATCCTAGTGTCCGTAGAG
TAGTTCTCCATCTAGCTGTCCATCTTTCAAATGTGGAGAGAGGTGAGATGAGGGAAGAAG
TTATGGTCAGAGAGGGGAGACAGGTGTGTGTGGTGTGGGGTGTGC
Sequence 2859
TAGGGCGAATTGGAGCTANNNGGAGCTNNACCGNGGNGGCGGCCGAGGTACGCGGCTAAC
AAGAATTCTTNAACAGCAGAAATTAACGAAACAACAACCTCATCTACTGATTTTCTGGCT
AGAGCTTATGGTGTTGAAATGGCCAAAGAATTTGTTACATNAGCACCA
Sequence 2860
AATNTGGGGGAAGGCCCTACCCACCCCCGCCGGGNTGGGGCCGGGGGGCCCCCGGGAAGGG
GTTAACCTTTANNNNNTNTCCNTNCNTTTNNNNNTATATNTNTNNATTTNTTTTGGGGGAA
AAATTGGTTNAAAAAANTCCTTTTTTTTTAATTTTAAAAAANACCAAGGTTGTGGTTNCTT
TTTTCCCCCACCGGGGTAAGGGTAAAAAAAAGCCTTTTTNGGGNCCACCCANTTACCNAGG
GNTTTTTAAAAAAAAAAAAATTAAAATTCCANCCCCCCNCCCCATTTAAAATTTTTAATTT
ACCCCAANAAAATTTTTCCCCTTCNTTTTTAATTCAAAAACCTTNGCCAATTAACCTTAA
AAAGGGNTGGGTTTTTTTNTTNCAAAAAATTAAACCCANAAATTTTTTTTTTTTTTTCCCCC
GNCTCAAATTAANAAAAAAAAAAATTAACCCNTGGGGGGNGGGAAAAAAAAAAAAANTTNT
TGGTATTTATAAAAATTAACAACCCANGGGGGGGGTTTATNAAGGGGAAAGNNAAAAAAAA
AGGGAAATTATTTTTTTTTTTCCNTNAAAGGGGGGCCCANAAAATTTTTAAACCCTTTAAA
NGGGGGGGAAATTCCCCANTTTTTTTTTGGGGGGGGGAAAAAAAAAAAAAAAGGGNTTTNGGA
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TTNNAATTCCCAANCCCAAGGGTTTNANAACCNAAAAAGGGGNAAATTCCCAATTGGGNC
CTTTTTGGGGTTTTCCCCCTTAACCNACGGGTTTAATTTTTGGGCCGGGGGGGGGCCCCCC
AANANAACCCNCCTTTTTTAAAAAGGTTTGGGAAAAAAAGGCCCTNNNAAAAAANNNGGGT
NGGTTTTTTNGGGGGGGGGGGNTGGGNAACCTTTTTT
Sequence 2861
CAAACCCCGGNCGGGGGTGGGGCCGGGGGCCNCGGAATTAACCCCTTCCAAACCCCGGGT
NGGGGGCCTTGGNCNTTGGATNCATTNTNCNCGGGTTGGGGGTNCGGGGAATTGGNTTC
CCAAATTGGGAAAAAGGGGAAAGNGGTTCCNGNAATGGGAAAGNCNAANGGAAATGGNCC
TTNTNAAAACCGGTTGGGCCAAGGAAAACCAAAANGGAAAAACCAAAGNCCAAGGGCCCT
TAACCTTTTTTTGGTTGGGGGAAAAATTTGGGGGGGAAATTCCCCCCCCCCAAAAACCAAAA
ATTGGGTTNCCAAAAAGGGAAACCAAGGNCCCCCGGTTCNTTGGGTTGGGAACCAATTCA
CCCCAACCCCTTCCGGATTGGGGGCCCCCTTCCAAAAAGTAAATTGGGGGCCNAAGGGNT
TCCAACCCCNTTTTTCCCAATTTTTTGGGGGCCCAAAATTTAANGGCCCAAACCAAAGGNCC
CCAANTTCTCCAAAGGGGGAAAAAGGCCCTTTNCCTTTTTNCAAAAGGNCCGGGCCAAATT
TCCTTTCCGGGGGGGAAAAGGNCCCAAAGGNTTTTCCAAAAACCTTTGGGCCCCCCAATTNG
GGTTTTTCCCCCGGGCCCCCGGGGGGAAAAANGGGGGGNCCCCCTTTTTNCCCCTTNCCC
AAACCCTTGGGGGGGTTAAACCCCCCTTTNCGGGGGGGCCCCCGGGCNTTTCCTTTAAGGGA
AAAAANCCTTAAGGTTTGGGGGGGAATTTCCCCCCCCCCCGGGGGGGGCCTTTGGGCNCAAA
GGGGGNAAAATTTTTCCGGAAATTTAANTTCCAAAAAGGCCTTTTTAAATTTCCGNGAAT
TTAACCCCCCGGGTTTCNGGGAANCCNTTTTTTTAAAGGGGGGGGGGGGGGGGGGGGGCCCCC

0

Sequence 2862
GGNCCGNAATTGGTGTAGACTNCCACCGNCGGTGGCGNGCACCGNAGTGNTACNCCGNGG
AAANNGTNGCTNCGTGNNNNNTGTGNAGNGTCNGCTCNTTGTCTCAATTGCGTTAGGAAT
GGGGACACTGCTTGGCGAGCCANGTCNCAAGGCACCCAATTTCAATGTAGTCCTCACAAN
CACCGATCGCCTCTCTCNAAGAACCGTGGGGATGGGGNTNCCCTTTCANGCNCTAGGTCG
GNGNAATNCGCCANATAANCCTTCNTNTATCNTGTTNGAACTTGACTAACNACNACNAAA
AACCGGCCATAGTGATAGTCGATNTAAANGGGGTCTTTCATAGAGACACNAAATGTCTCC

Table 1

CTTTGGGACCGCTTCACTCGCCCCGTGNCTTTCCCTTTGACCCACAGGAGGGATGTGTAG
GATTTTTNAAAGTAAAAAGGTTGTCAGGCACAAACTTTTTCCAATTCAGTACGANTTGCT
TACCAACTGGCGGAAGCNNGCCTTTCAATTAAGTNAAAGCCTTAATGTTTCGGTGTAGTT
GCACACTCNTCTGTTGAGTCATTTGNTCTAAGGAGCAAAAAAATTNATTGTAATANTTNT
CCCATAAGTTCCTTCTNAATNACAGCAATTNAAACTCTTGTNGGCCNAAANCNCTTNNTT
TTAAGGGGGGGGGTNGTNGTGGGGGTCCCCCCCCCCNTGGTTTTAAAANCNCCCCAAANTCC
C

Sequence 2863

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCATGGTACGCGGGGGCGGCGGC
GGCGGAGGTTGCAGTGAGCCAAGATCGCGCCATTGCACTCCAGCCTGGGGGACAAGAGTG
AGACTTAGTCTCAAAAAAAAAAAAGAAAAAAAAAATCAGGGATATAGTTCATATCCCACT
TCTTTGTTTACACCGATGTCCCTGAATATCAGCCTGTAGCTAATGGACTTGGGATTTCTG
GTCTAAGTGGGCCTCCTGGGGATGGGGTGGTACCTnnnnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnGCC
CCGGTACCCAGCTTTTTGTTCCCTTTTAGTGGAGGGGTTAA

Sequence 2864

CGNCGNGTNGGGCGGGNCCCGAAGGGTAACCTTTANCAGGGGGGGGAACNCGCTCAGGGGG
GGCCCCTCGTAGNAAATTCCGGTNAATTCCCTGNAGGANCCCTCCTTGNAAAAGAAGCCA
NGTTCNNAAGGGGTTTTG

Sequence 2865

TATTGTTTTAGTCCAAAGATACCCCTGGCACAAGCGACANTAATATTACAGGGACATTAA
ATTAAGGAAAGAACCAACTGATNTGTGTCTATGAGAGAAGANCTTCNGGGTGAGGAACTG
GGAACAAAGGAGGAAGACNCTNTTAGCAAGCCCTGGGGCCCNCCTTTATTGAC

Sequence 2866

CACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGAGCAGAGG
AAACATCCTGTCCAATTCTAGGTTTTCCTCCCTTGGCCTCCTTTCCCCAGCATTGTCTAC
CCTGGCCCACTTCCTGCATTCTCCCCATGCCCTGCTATTTCTGATTCTTTGCTTCTCCTA
GCGAGATACTTTCCTTATATGATAGCTGCTGAGAAGTTTCCCAGAACTGCTAGAGGAAAA
GAAGTGGGGAATTTAGGAAATATCCCTCACTGACCTAACTCCATTATCTTCACTCTTTCA
TTCTTCCTGCCACCTCATGCCCATTCTCTTTACTGTCTAGCATGCTGAAAGAAGGAAGTG
ATCTAAATGCCAGCGTGTTCAGTGGTAAATATTAGTTGGTGCAAAAGAAAAACCATGATT

                                                      (

Sequence 2867

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGTGAGT
TGAAATGTTCTGTCAAATGTGTCTCACATCTACACGTGGCTTGGAGGCTTTTATGGGGCC
CTGTCCAGGTAGAAAAGAAATGGTATGTAGAGCTTAGATGTCCCTATTGTGACAGAGCCA
TGGTGTGTTTGTAATAATAAAACCAAAGAAACATAAAAAAAAAAAAAAAAAAAAAAAAAAA
ANTCCCTNGGCCNCTCTANAACTAGAGGNTCCCCCGGNCTGGAGGAATTCGANTTCAATC
TTANCCNTACCNCNCACCTCGAGGG

Sequence 2868

CGACTCACTATAGGGCCGAAATTGGAGCTCCACCCGCGGTGGGCGGCCCGAGGTACAGAG
GGGTCTGTTTCTAAGTCTGGAACCTCAACACGAGGCTGGGATGCTTTCACAACTGTGCTC
TCTCCCACTGTCCAGCCANAANAATGGTTGGTTCTTTCCCACAGTGCTTTCCCCCCCATN
CCTTTTCAACACCTCCTTGTTGGNAGNGGGAACTCATTNGGGGAACCGGNNCCCAANAGA
AGGGAAAAANCCNTGGGGGANTTCAACCTTTCTTGGAACAAGGGGAAAAATCGGGGANCC
AANAGTCCNACAAAGNCTTTGNCCNCCAAGGGAAANNCCCCANGGNTTTGGCCTTNCTTG
GGG

Sequence 2869

CCGCGGTGGCGGCCGAGGTACAATTTCTTTTGGTTCATTTTCAGATTCAGGCATTTTCCC

Table 1

CCTTGGCTCTCAATGCTGTTTGGGTTTCCAACAATTCAGCATTAGTGGGAAAAAGTGGGC
CCTCATACACAAGCGTGTCAGGCTGTCAGTGTTTGGTGCACGCTGGGGAAGAATTTACTT
TGGAAAGTAGAAAAGCCCAGCTTTTCCTGGGACATCTTCTGTTATTGTTGATGTTTTTTT
TACCTTGTCATTTTGGTCTAAGGTTGCCATTGCTGCTAAAGGTTACCCGATTTCAAAGTC
CAGNATACCAAGGCATGTGGGATATTGTTTAGCCTACCGTTTTACTCACAGGCCAGGCGA
ACTGGACAT
Sequence 2870
ATTGGAGCTCCACCCGCGGTGGCGGCCGAGGTACTTTATATAGATTTTCAAACAAAAGAT
TGATTGTGCTTTTTTGAATAAAAAAGATAGGGTATNTTCCAACCTCACTGACTTAAACCTT
GTGGAATACAGCACTTCTAAACTAACAACNCACGTCAAAAAAGAACAANATTTGAATAAA
TCCCCAGGTGGGGATGCCTCAAAAAATTNNTTCTTTTTAAGAAANGGTTTTAAGGGATCT
GGCTTAANTTTCCTGGCTTAATNTAATCATTAATTTGGCCTTNGCGGGCNAAAAAAAAAN
AAGNAACCACAAGGAAGGCTTGGCCTTNGTTCNTTAAAAAATTTTTNNTTCCNCAAAAAA
CNTTCTCCNCCCTTCNCGNNAGNTTTTTTCNAAGGCCAANTNGGCCAAACCANCCTTCCAA
GAAAATTTTTNGGAAAAAANAAAAAAACNTTTNNTTGNCAAAGCCAAAAACNCCTTGNG
TNACCNATTAANTTGGGGGTTTAAANCCCCCGAAGGTTNCGNAACCAATTTTTTGGAATT
TTAAGNCCAAGNGGCCATTTTT
Sequence 2871
CCGCGGTGGCGGCCGCCCGGGCAGGTACGAGAAGAAGGGGGCTGGAACAAATAAGTTACG
GCTGATTTTACTCTGCAAAATATATAAGGGGTTTTCAAATTAATAACCATTCAGGGTCCC
CAAACAGCCTAATCTTTGTCAATTGGTGCCAAATTATGCAAGGTGCTGCCAATTCTGGTT
GTCTAACAAATCAAGACCAGTGTATGTTACTCCTCGGCTGAAGCCTGATTGATTCTGGTC
ATTATATGGGCT
Sequence 2872
ACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGTGGGACCTGCAATTACTAC
GCAAACGCTTACAGCTTTTGGCTCGCCACCATAGAGAGGAGCGAGATGTTCAAGAAGCCT
ACGCCGTCCACCTTGAAGGCAGGGGAGCTGCGCACGCACGTCAGCCGCTGCCAAGTCTGT
ATGAGAAGAACATAATGAAGCCTGACTCAGCTAATGTCACAACATGGTGCTACTTCTTCT
TCTTTTTGTTAACAGCAACGAACCCTAGAAATATATCCTGTGTACCTGCCCGGGCGGCCC
GCTCTAGAACTAGTGGGATCCCCCGGGCTGCAAGGGAATTCGATATCAAAGGCTTATCGA
TTACCCGTCGACCTCGAGGGGGGGGGCCCCGGTACCCCAGCTTT
Sequence 2873
ATTTGGCTCATGGTTCTACAGGCTATATATGAAGCATAATGCTGACATCTGCTTCTGATG
AGGACATCAGGAAGCTTAAAATCATGTTGGAGGTTTAAGGGGAGCCAGCATATATCACGG
NGAGAAAGGAGCANGAGACANAGGGGGCNTACCACACTCTTTAAACAACCAGATTTTGCTT
GAATTCAGAGCAAGAACCTNACTCACTACCACCAAAACAGCATGGAATCCATCTCATGAA
GGTATTCTTCTTGCATNGACTCAAACACCTCCCATTCAGCTTCCACCTT
Sequence 2874
CTAATACGACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCATTT
TATTTAGTGTTGTAGGAAATGTTGGGTTACTTCTTAAAAACGAAACCAAAGAAATTCAAA
AGTCCCAAAGAAAGAAAGCAGGAAATAATAATTCTATAATCCAAAAACGTTGGGCGATCC
TTCAGTTGGAGGAAGAGGGCGTCAGTTAAGTAGCTCACACAGTAGATATGGAGACACCAT
ATGGAGATACCGGAGTTAAGTTTGGTGGATACTAGGAATTAAGTTCTCCACCTAAGGCAA
TTAATTTTTCAGCCTTGAGAGATAAATTAGTAGGTTCTAGGAAAAAGGAAAATNACAGTT
GACTGGGGAGAAAGGGTGGGNAGGGGAGGGATGGGTGCCGTCATT
Sequence 2875
CTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACNCCACAANNCC
AGNAGATTNGTCTCCTTNCCTGNGGCCTCATCTANCTTACTTATTCAGACTTTCTGGACA
CAAGGGGTTTGTTATCTTCATGAAANTTTAATNTGTGTNACGTTAGAAATGAANTTAGAA

Table 1

AAAGATGTTCTTGCTGTAAACACTGGGCNGNAGTANNNTCANAAGAAGACTGTGGTTCTT
GGATG

Sequence 2876

CCGGGCAGGTACTTTTCCCAAAATGCTATATTGCAATNGGACTGGAGGCTATAAGTGGTC
TACNGCTCTGGCTCTAAGCATCACCCTCNGAGGNTTTGGAGCAGACCGTTTCTACCTGGG
CCAGTGGCGGAGAAGGCCTTCGGGTAAGCCTCTTNCANCCTTCCGGTTGGCCTTGGGTAA
ATANTGGNACGCCTGATAGGACNGTTCCCTGGATTCATATNAGAAGTTTGGNNTTATNGT
TTGGNACNCAAACCAGGATGGGCTCCTTTTGGGTAACCCTTCGGTCCGCCTTCNTAGAAA
ACTAAGTTGGGATACCCCCCCGTGGNCGTNGCAANGTAAATATTCGNAATNAATTCCAAA
ANCCTTTTATTCCGAAATAACCCCGGGTGCTGAACCNCCTTCNNNAGNGGGGNGGGGGNG
GCCTCCCCGGAGGTTAACCCCCCCAANGCCNTTTTTTTTTTGGGTNTTCCCCCCTTTTTTA
ANGGNTGGAAGGGGGGGGTTTTAA

Sequence 2877

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTCATAGGTANAAGGAACTTGCCTTGAGTCTCAAATNAAACTTGGG
ACTTAGGACTTTTCAGNGGAGGCTGGAATGAATTAANACTTTNGGGGACTATTGGAAAGA
NATGATTNTNTTTTGCAATGTGANAANANCNTNCANTGTTGGGGGCTGGAGGGGAATGAT
GTANTTNAAATATTTGACCCTTCCAAATCTCATGTTGAAATGNGACCCCCAT

Sequence 2878

AGGTACGATTTTTAAAATCTAGCACATTTAAAACACTGTTAGTTCAACTTTCCTTATTTN
TGGAGAATTTTAGGAATACTCAATTTACATATCTGTATAAATCANGACAGAGCTCCTTTT
AANNAGACTTTATAAATCTAATATTATCAATACCCCCCCAAATTTCANGGAAGNAACATT
ATACAC

Sequence 2879

AATTGNAGCTCCACCGCGGTGGCGAGCGGCCGCCCGGGCAGGTACTGAGTCAAGGACGTC
TTTAACGTCATGGACGGCTCCTTTACCCACGCTTTCTAGATCTTCGACTGCATCTTTTNN
TAGTTTTCCGAGTTCCCCCCACAAGCTTTTTTGCTCCNGTCTAGGCCTTTTTCCANAAAG
GCNTTGGAATCTNCTTGCTTTCCTNTGGCTTATGGTTGCCTGTTANTGGGCCTTAACCCT
GTGGTCTTTCAACCCTTGCNATTTTTTCCTTTNTTCGAAGCCTTGACTTGGAATTGCCTT
TTCATTGGGGNANAGGGNGANTTTCCCCCCCCGAAT

Sequence 2880

TAAGCNGTGTGCGCCTTTCTCATAAGCCTCACCGCCTGGTAGGGTTATCTCAANTTTCTN
GCTGGTAAGGATACCGTATCCGCTTCNCAAAGNCCTGNGGACNTGGTGNTGTCACTCAAN
CCCCCCCCCGCTTTCANGCCCNCGAACNCGCTTGTCGGCCCTTTATTNNCGGGTAAACTT
AATACGTNCNTTTGAAGTTTCCCAACNCCCGNGATATAGGNACACCGAA

Sequence 2881

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGATTGACATCC
CACACTACCTGATTTGATACACTAAGAAGGGCTTATCATTTCTGTGGTACTCTTGGCCAA
CAATGCACGTGTAACATTTATTCATTGAAACACATTAGGCAGAATTGCAGGACATTCTTC
AAAATAGCTGTCCAATACTCTTCAAAAGTGTCAGGTCCTGGAAGACAAAGAGATACTGAG
GAACCATCACAGAGTGGGAGAGGACATAGAGTGATAAAAACTAACTGTGATGTGGAATCC
TACATTGGATCATGGACCAGAAAGACAGCACTGATGGGAAGACTGATGAAATCTGAATAA
GTCTGTANTTTGGTTTAAAG

Sequence 2882

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACNCGGGGAGGATNAACAC
GAANCNGATNAACCTCANAAATCCTGTCTGGCTGNCAGATTNCAAGTAAAAAAAAAAAAA
GGTGGGTTGGGGGGGACCCTTTTCTTTNTAGTTGTCTTNAAGGAAAATTAATTATACTTTT
TTTTNGTTCNGGTCGAAATTTTTATGANATATCTCTCACTTGNCTTCCACTTTGAACCGG
TCAAAGCTCATAGCTGCCAGCTCTGAATGAGGAGGGGAGAAGCCCCTGGGTCTTTCTTTG

Table 1

AA

Sequence 2883
TACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAAAGACTAT
TGTAGAGACTATCCGGGTTAGTTTGCAAGGGGAGCCAATGATGAGTAATTTGAAAGAAAT
TCACCTGGTGAGCAATGAGGACCCTACTGTTGCTGCCTTTAAAGCTGCTTCAGAATTCAT
CCTAGGGAAGAGTGAGCTGGGACAAGAAACCACCCCTTCTTTCAATGCAATGGTCGTGAA
CAACCTGACCCTCCAGATTGTCCAGGGCCACATTGAATGGCAGACGGCAGATGTAATTGT
TAATTCTGTAAACCCACATGATATTACAGTTGGACCTGTGGCAAAGTCAATTCTACAACA
AGCAGGAGTTGAAATGAAATCGGAATTTCTTGCCACAAAGGCTAAACAGTT

Sequence 2884
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGACTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTGAGAGGAAAACCCGGTAATGATGTCGGGGTTGAGGGATAGGAGGAGAATG
GGGGATAGGTGTATGAAC

Sequence 2885
CCGCGGTGGCAGCTCTAACGCTGTGGAAGCCTTAATTAAAAAGGGTGCAGACCTAAACCT
TGTAGATTCTCTTGGATACAATGCCTTACATTATTCCAAACTCTCAGAAAATGCAGGAAT
TCAAAGCCTTCTATTATCAAAAATCTCTCAGGATGCTGATTTAAAGACCCCAACAAAACC
AAAGCAGTTGAGTGATGTCTCTTCCCCAAGATCAATAACTTCGACTCCACTATCGGGAAA
GGAATCGGCATTTTTTGCTGAACCACCCTTCAAGGCTGAGATCAGTTCTATACGAGAAAA
CAAAGACAGACTAAGTGGACAGTACCT

Sequence 2886
AGACCAAGACCGAGACTTGGAGACCTGATTGAGATTTCTCGCTTTGGCTATGCACACTGG
GCCGTCTACGTGGGAGATGGCTATGTGGTCCATCTGGCTCCGGCAAGTGAAATTGCTGGA
GCTGGTGCGGCCAGTGTCCTGTCTGCCCTGACCAACAAAGCCATAGTGAAGAAGGAACTG
CTGTCTGTGGTGGCTGGGGGAGACAACTACAGGGTCAATAACAAGCACGATGACAGATAC
ACACCACTGCCTTCCAACAAAATCGTCAAGCGGGCAGAGGAGTTGGTGGGGCAGGAGTTG
CCTTATTCGCTGACCAGTGACAACTGCGAGCACTTCGTGAACC

Sequence 2887
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTTTTT
TTTTTTTTTTTTTTTTNGCTCCAATAAGTTAANAATTTTTAGTTCACTGGAAAAAACAGA
TCTTTGATATNTGGACTATTCAGCATTTTCTATGTCTGNNGGGGGAACAGGCCCCCAAATC
TGGCCATAAACAAAATCTNTGCAGCACTGNGACATGTTCGNGATGGCCATGATGTCCACN
CTGAAAGTTGNGGGGTTTATTANAATGAGGGCA

Sequence 2888
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTACGCTGCATCCTTTTC
TATGCTCTCCCTGCTGGTGATAATGGGAGATACAGACAGTAAAACGGACAGCTCATTCAT
AATGGACTCGGACCCTCGACGCTGCATGAGGCACCACTATGTGGATTCTATCAGTCACCC
ATTGTACCTGCCCG

Sequence 2889
AATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGCCTTGGNATTGNNGAATGAN
CAANCATTGANAGCACATGAGATACTCCCATCAGAATCCATACACANGGACTACTGAAGA
AAGTCCTTGGGAT

Sequence 2890
CCGCGGTGGCGGCCGAGGTACTTTGCACCAACTGTATCTTCAGATACACAGCAAGTTTCC
TCCAAGCCTTTATGCTACCAGGATTTCTAAAGCACACCAAGAGGAAATAGCAGGTGCTTT
CCTAGTGGACACTGGGATCCACTTATCAAGTCAGCTGGCTTCACATTTNAAGCCTTTCAT
GCANGGTGGTTTTGGACAGTA

Sequence 2891
AATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGATTCCACCAAAGTGA

Table 1

TTCTAAATCCCTACCACGTTTTTAAAGTTTTTCTTTTAAGCTTGTTAAGAAATAGTAAGAG
AAGGGGCTTCCTTTTCGATCCGCCATCTGCGGTGGAGCCGCCACCAAAATGCAGATTTCC
ATAAAAACCCTTACGGGGAAGACCATCACCCTCAAGGTTGAACCCTTGGATATGATAGAA
AATGTAAAGGCCAAGATCCAGGATAAGGAAGGAATTCCTCCTGATCAGCAAAGACTGATC
TTTGCTGGCAAGCAACTGGAAGATGGGATGTACCTCGGCCGCTCTAGAACTAGGTGGATC
CCCCGG

Sequence 2892

NCCGCGGTGGCGGCCGCCCGGGCATGGTACGCGGGGCACAATGAAATCAATNCTCAGAGA
AGGCAGATAATTCTCCACGAAGCCAGAAAACTAATAAATGAACAACTTGGGTGAAATGTN
CCACCAGACGGTGTGATATTTANTNGCCCANAAAGCTGCCAAGGGGTTGAATGACNCTAT
CTGAAGATNTGANCCAGTTTGCTCTCCATAGGGAGGATTTCATCAACAGGAAACAGATGC
C

Sequence 2893

TACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTAGAAGACAATGCCGAGGT
GCTGGTGACCCTGGGGGTCTGAGTGGATGATTGGGGCTGCTGCGCTCAGAGGCCTGCCTC
CCTGCCTTCCAATGCATATAACCCCACACCCCANCCAATGAAGACGAGAGGCAGCGTGAA
CAAAGTCATTTAGAAAGCCCCCGAGGAAGTGTAAACAAAAGAGAAAGCATGAATGGAGTG
CCTGAGAGACAAGTGTGTCCTGTACTTTTTTTCTTTTTTTTTTTTTAGTAGATTAATGAATG
ACTCACTTTACTTACTTGAAATATTAGGAACTGAGTTAAAGGCAACTCCT

Sequence 2894

GGCGGCCGAGGTACGCGGGGGAGTCCTGAGCTGCGTCCCGGAGCCCACGGTGGTCATGGT
TGCCAGAGCGCTCTGCATGCTGGGGCTGGTCCTGGCCTTGCTGTCCTCCAGCTCTGCTGA
GGAGTACTGTGGCGCTCCGTGAAATTAGACGTTATCAGAAGTCCACTGAACTTCTGATTC
GCAAACTTCCCTTCCAGCGTCTGGTGCGAGAAATTGCTCAGGACTTTAAAACAAGATCTG
CGCTTNCAGAGCGCAGCTATCGGTGCTTTGCAGGAGGCAAGTGAGGCCTATCTGGTTGGN
CTTTTTGAAGACACCAACCTGTGTGCTATCCATGCCAAAACGTGTAACAANTATGCCAAA
AAGACATCCAAGCTAGCACGCCGCATACGTGGAGAAACGTGCTTAAANAATCCACTNTTG
AATGGGGAAACAT

Sequence 2895

CCGCGGTGGCGGCCGAGGTACGCGGGAAGAACTGAAATTTTTAATTAAAATTTATTTCCC
CTATTAGGCTGGGCGCAGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCTGAGGCG
GGCGGATCACCTGAGGTCAGGAGTTCGAGACCAGCCTGGTCAACATGGTGAAACTCTGTC
TCTGCTAAAAATACAAAAATTAGCCAGGCCTGGTGGCACACGCCTGTAATCCCGGCTACT
CGGGAGGCTGAGGCAGGAGAATCACTTGAACCCAGGAGGCAGAGGTTACAGTGAGCCGAG
ATTGCGCCCTGCACTCCAGCCTGGGTGACAGACAAGACTGTCTCAAAAAAAAAAAAAAAT
TATTTCCCCTATTTACTATTTTAAATTCCCAATCTGTATGATTTAGAATTTCCATGCATT
AAAAGAAACAGCAATGTTTTTAAGAACAAGGGAAT

Sequence 2896

CGAGGTACCTGTTACGAACTGAATGTTTATGTCCCCCCAGTCAGCAATGTGATGGTGTTT
GGAGGTGGAGCCTTCAGAAGGTAATTAATGCCCTTGTAAGAAGAGGCCAGAGAGCTTGCG
CACCTTCTTCTGCATGTGAGGAGCCAAGAAGCCGGCTGTCTGCAACCTGCAAGAGGACCC
TCACTAGAAGCTAGCCATACTGGCATCCTCATCTTGGCTTTCCAACTTCCAGAACTGTGA
GAAGTATATGTTTGTGGTTTAGTCAATGGTCTATGGTAATTTTTTTTATAGCAAGTCCCAG
CCAAGACAGTGCCTCATTTACTACATACCATTTATATTATTATATAGGCTCCTTTCAGAA
ACCCATGTTCAAATAAAGAGATAAGATACTGAAACACATAACACCTTCACTAGTTTTTTA
AGTATACAAATATTGAGAAATAGTTTGTTATTAACTATCTCATCCAAGAAATGCAGATTC
ATGTTGGTTCTAATTTTTTTATATTAAATTGACAAAATGAAGAAACTTAACACCATCCTAA
ATTTTAGCTGCCCAAAAAAAAAAAAAAAAAAAAAAAAAGTCCCTGCCCGGGCGGGCCGNTTTTN
AACTANTGGATC

Table 1

Sequence 2897
CGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTGGAAAAAAATAAGAATAGTTGGAGAAT
GTTAAAACATTATTGAAAACATATCGACTAAAAAAGATAAAAACAATCCCAAATCACTT
TAATACTTTAAATAAATTCACAATAGAATTCTACTCAGTGTTAAAATACTGGAGAAGGCT
GGGTGCAGTGGCTCATGACTGTAATCTCAATACTTTGGGAGCCTGAGACCGGAGGATTGC
TTGAGCCCAGGAATTCAAGACCAGCCTCAGCAACATGGCAATACCCCATCTCTACAAAAA
AAATTTTAAAAATTAGCTGGGTACAGCTGGCACAGTGGCTCATGTCTGTAATCCCAGCAC
TTTGGGTGGCTGAGGTGGGTGGACCACTTGAGGTCAGTTCAAAGACCAGCCTGGCCAACA
TGGTGAAACCTCATCTTCACTAAAACAAAACACAAAAATTAGATGGGTNTGGTGATACAC
ACCTGTAATCTCAACTACTCGGGAAGGCTGANGCCAGGANAATTGCTTTAACCCTGAAAG
GGCAAANCTTGCANTGNAGTCAAAAATTGCCACCACTTCCCTTTNACCTTAGGGGCCNNA
GNTANGNGAGACTCCNTCTTAAAAAAAAAAAAAAAAAAAAAAA

Sequence 2898
CCGCGGTGGCGGCCCGAGGTACATGCTACACCACTTCTCCAGACTTGACCTCTATCAAAG
GGCATTTGGGTATGGCCCGAGATGGGAGTAACCTCTCTTTTCAGCTGTGTCAAATTCTTA
CACCATGTTCTTTTGTTTTTTCCTCATAATACAAGGCCAAGCACATCTGCAAAAAAGACA
TTGCTGGAGGAGGTGCAAAGAGCTGGAAACCAAGTCTCCAGTCCTGGGAAAAGCAGTGGT
ATGGAAAAGCAATGGAAAGAGCATTTTGAAAATGCCATTCCACTGTTTTCTGGCCTTTAT
GATTTCTGCTGAGAAATCCACTGTTAGTCTGATGGGGTCTCCTTCATAGCACCAATGACC
TGAAGAGCCTTGTTGAAGGAAGACTCCATCTGATGACTCAGAGCAAGTATTTTTTAGTGT
GTTATTGTTATTAGCAGAAAGAGGGCCATAAAATACATGGGGCAAGATGAATATATCTTA
GGCAAAAGAAGAAAATATTCAAATTCTTATGTTATTTTATCTAATTATTTT

Sequence 2899
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TCTTAACTGTGTCTATTATTTTTTTGTCTTTTTTAAAGTATAATAATTTTTAAAAAGTAAA
GAAGAAAAGAAAGAAAAAAAATTGATAGGATCTTGCTTTGTCCCCCAGGCAGGAATGCAA
TGGCACTATCATAGCTTACTGCAGCCTTGAACTTCTGGACCCAAGTGATCCTCCTGCCTC
AGTCCTCTTTGTAGCTGGAACCAGAAGTGTGTACCACTATGCCTGGCTAATATTTTTATT
TTTTATTTTTGTAGAGACAGGGTCTTGTTATGTTGCCCAGGCTGTTCTCAAACTCCTAT
CCTCAAGCCATCCTCCCATCTCAGCCACTCAACTTGCTGGAATTACCAGCGGAAGCCACT
GTGCCCAGCCCAGACTCCCTTTTACCTAGTATATCATGTCTAATTTCTAACAAAAAATTA
AAAAAACATTGTAAGAGGAAAAAAAGAAACCCTAAAACAAACAAGCAAACAAAAAACCCA
AAACAACAAAAAGTTTCAAGAAACAGAGCTAGCTGACAGGAACTATATTCAGAAATGGGC
AGGTATATTTAGAAATTATCGGATTGGTAATTTTAAACCAACTATGACTAATATGGGAAN
GAGGGGATAATGGGAAAAAAT

Sequence 2900
CCGGGCAGGTACGTCCATCTTCCAGCTGCTTGCCAGCAAAGATCAGTCTCTGCTGATCAG
GAGGAATTCCTTCCTTATCCTGGATCTTGGCCTTTACATTTTCTATCGTATCCGAGGGTT
CAACCTCGAGGGTGATGGTCTTCCCCGTAAGGGTTTTCACGAAATCTGCATTTTGGTGG
CGGCTCCACCGCAGATGGCGGATCGAAAAGCCCCGCGTACTCGCCAGTCCAGCCGCTCCT
GCACACACATTCACCACAGTCACAGTCGCCGTTACCTCCGCAGAGCAGCCCTTTGTGTCT
CACGCAGGAGAAATTGTCACACTGGCAATCCCGCGTACCT

Sequence 2901
CCGCGGTGGCGGCCGAGGTACGCGGGGAGTCCTGAAAGGGTGGGCAAATGTGCAGCTCTC
CCTCAGGGTCGTGGGATCTGGGTCCAACAGTCTGGCCTTTCAGCCTTCAGGCTGTTTTAG
GCTTGAAGTTTCGTGTGGCTGATCAAAGAAAGAAGGCATACGCAGATTTCTACAGAAACT
ACGATGTCATGAAAGATTTTGAGGAGATGAGGAAGGCTGGTATCTTTCAGAGTGTAAAGT
AATCTTGGAATATAAAGAATTTCTTCAGGTTGAATTACCTAGAAGTTTGTNACTGACTTG
TGTTCCTGAACTATGACACATGANTATGTGGGCTAANAAAATAGNTCCTCTTGATAAATAA

Table 1

ACAATTGNCNANTANTANANTTCAANNANAAANNGTACCTGCCCG

Sequence 2902
CCGCCCGGGCAGGTACGCGGGGAGATTTTTGATATCTCAATCTGCAGCCATTCTTCAGGT
CGTAGCATTTGGAGCAAAAAAAAAAAAAAAAAAAAAAAAGGAGTTTGCTTTTGTCGGGAGAT
TGAAAGATGTTTTTGTTTCTTTCTTTGTAAAGGCCTTGGATATTGAAAAATACCAAGGCA
GAACAGTTGGACAATCTATTTCTTGAGCCAAATTTAATTATTCTTATTTTTGTAATCAGT
CATTGGCTTCTTATCTGGATGAAGGCTTTTGGAGGAGAACCAAAACGACAAGTTCCAAGA
AGAAGATGAAGCTCCGCCTCCGCCGCTTAGTCCCAACCCTGCCCAGGAAGAAGGGCCCGT
GGGGCTTTGCCTGTGCCCGTCCACCAAAGGCTGTCATGTGTCTCGAAATCAGCAGCCCTC
CCCATCCCAATCCCAGGCAGCTTGTGTGTACCTCGGCCGTCTAGAACTAGTGGATCCC
Sequence 2903
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GGTGTGTAAGTCCTGGAATCCAAAGGCTAGTGAGCCTGGAGTTCTGATGTCCATGGTGGC
AGAAGTCTGTCCCAGCTCTCAGAGAAAGACCAGCTTGCCTTCTGTATCTGTTCTCTCTGG
GCCCCTGGCTGATTGGATGGTGCCCATCAACAATGAGGGCAGATCTTCCCCACCTCATCC
ACTCACGCTGACACATTAATCTTCTCTAGAAACACTCTGAGACGTGCCCCAAATAATGCT
CTATTAGGTTTCTAGGTATTCCTTAATCCAGTCATGTTGACACCCTAAAATTAAGTCTAC
AGGTCTACCCCTTGCAACTTGGCACCCATATGCATGTTTTTAAANCCGTATTTTA
Sequence 2904
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AAATTCTCTCTTCCATTGTTAAAAAAAAAAANNNCAAAATAAAAAAAAAGTACCTTGGCCGC
TCTANAACTAGT
Sequence 2905
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GAACTCTCTTAAGTTGAGTGAAGTGGAAGCGTGCTGAGTTACTGAAGTGCCAGGTCTTTA
ATCCAATCAGCTCACAACCTCTTTCCTGACTTTTGCAATATAGATTGTCAATAAAGGTTA
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ATTACATTACTACGAAGATGCAACAAAATTTTAAAAAAGAAAAAGGGGTGCAATTTTTTT
CAGAGAGGACAGCTGATCAAATATTTATAATTTTCTAAACCATGCAGTTCATTACTTATT
ACAATTNCAAACAAAACTCATTATTATGGGGATGGGAGTCAGGGAGAGG
Sequence 2906
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GACTGGCCAATAGTGCCTTCGGGACTGGGNGCACCCCCAGGNCTGCGGCAGTTGTCACAG
CGCCAGCCCCGCTGGCCTCCAAAGCATGTGC
Sequence 2907
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ACCCACTGAAATGATGTGCTCAGCTGCTCTTTGGGAATGCAATCAGCTTCCGGCATGTTT
TCCAGACATCCCCGAAGAACCCTTGCCTGTGTCTGCAACACTTCCCATGGTACAGATGGA
TTCAGTTCAAAACCTGGCTTTACTACCCCGCGTACCTGCCCGGGCGGCCG
Sequence 2908
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AATATGTTTTGTGTCTTCAATTTTGCTAAAAATAACCCAGAACATGGATAATTCATTTAT
TAATTGATTTTGGTAAGCCAAGTCCTATTTGGAGAAAATTAATAGTTTTTCTAAAAAAGA
ATTTTCTCAATATCACCTGGCTTGATAACATTTTTCTCCTTCGAGTTCCTTTTTCTGGAG
TTTAACAAACTTGTTCTTTACAAATAGATTATATTGACTACCTCTCACTGATGTTATGAT
ATTAGTTTCTATTGCTTACTTTGTATTTCTAATTTTAGGATTCACAATTTAGCTGGAGAA

Table 1

CTATTTTTTAACCTGTTGCACCTAAACATGATTGAGCTAGAAGACAGTTTTACCATATGC
ATGCATTTTCTCTGAGTTATATTTTAAAATCTATACATTTCTNCTAAATATGGAGGAAAT
CACTGGCATCAAATGCCAGTCTCAGACGGGAGACCTAAAGCCCATTTCTNGGCTGGAGCT
ACTTGGCTTTGCGACCCTATGGGGGAGGCATAAGTGCCCTGGAGTTTGGGGTTGGNCTTT
TTTGTAAAATGGAGGGGGTTGGCCTTAATCAGNGATTTTCATTAGCCTTAAAAATTTTTTG
GAAGAACNAGAACCTTTTTTTTTTNAAAACCGGTTGGATGCCACCCTTTTTTTTTT
Sequence 2909
CCGCGGTGGCGGCCGCCCGGGCAGGTACTTNNTTTTTTTTTTTTTTTTTTTNTTTTTACAG
TCTNATAGGTAGAAGGAACTTGCCTTGAGTCTCANATGAGACTTGGGACTTAGGACTTTT
CAGNGGAGGCTGGAATGAATTAAGACTTTTGGGGACTATTGGAAAGANATGATTATATTT
TGNAATGNGANAAGAGCATGCAATGTTGGGGGCTGGAGGGGAATGATGTAATNTANATAT
TTGACCCTTCCAAATNTCATGTTGAAATGNGACCCCCATTGTTNAAGGTGGAAGCTGATG
GGAGGTGTTTGAGTCATGCAAGAAGATCTTCATGAATGGATTCATGCTGTTTTGGTGGNA
GNGAGTGAGTTCTTGCTCTNAATTCAAGCAAAATCTGGTTGTTTAAAGAGTGTGGAATGC
CCCTCTGTCTCTAGCTCCTTTCTCACCGNGATATATGCTGGCTCCCCTTAAAC
Sequence 2910
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AAAGCCTTGGAATTGAAGAATGAACAAACATTGAGAGCAGATGAGATACTCCCATCAGAA
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TCACAGAAGGATGTGTGTTTACCCAAGGCTACACATCAAAAAGAAATAGATAAAATAAAT
GGAAAATTAGAAGAGTCTCCTGATAATGATGGTTTTCTGAAGGCTCCCTGCAGAATGAAA
GTTTCTATTCCAACTAAAGCCTTAGAATTGATGGACATGCAAACTTTCAAAGCAGAGCCT
TCCGAGAAGCCATCTGCCTTCGAGCCTGCCATTGAAATGCAAAAGTCTGTTCCAAATAAA
GCCTTGGAATTGAAGAATGAACAAACATTGAGAGCAGATCAGATGTTCCCTTCAGAATCA
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ACAGAAGGATGTGTGGTGNACCTTGGCCCGCTCTAGAACTAGTGGGATNCCCCNGGCTGN
ANGGAATTCGATATCAAGCCTTATCGGATACCGTCCGAACCTCGANGGGGGGG
Sequence 2911
CGAGGTACCGCGGGGGAGAGGCCACTTCCTTCCCCAATCCTTCCGTTTCAGCTGGGAGAAT
GGGACAAGATTCAGGTGCCCCCAATGGGGAGAGGGCGTGGATGCGGCTGGCTTCCTGCTA
TAAAAACACAGAGCAGCCTACCCTCTACCTGGTTGATCTGGTAGTGTCTTCTGCTATGGC
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GTCTCGACATGCCCGAACTGCACTTACATCCTGGGACCCAAAAAAAGCTTACCCTGAGGG
CTACCTATGATAACTGTACCTGCCCGGGCGGCCGNTCTAGAACTA
Sequence 2912
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CTATTCTCACCTCCCTTGTGATCATAATAGGGGTGCTCATTCTCTTAGGGTGCTGTATTA
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GAAGCCAGATCCTGTTAGAAATATATGAAGAGGAAGGACTACAAAATCAAAAGGGGAAAA
TTATTAGACAAAATGAGTTGCTCTACAAAGGTCCAACTTCGTTGNCCTTTGTTCTGGAAC
CTTTGTTCTGTAAACTGCCCTTNCCGCAAAAACTGTCTTTCCCGCCGACCAAAACTGCTC
TTCACTATCCTGNAATCCATACCCCTACTCTATTTGAAACTGCCAATCGGGAATCAAGCT

Table 1

TACATTGGGGGTGGGTCAACCCCCNCCCCATGGAGGNAAAAAACCCNNAAAGCCAAAGCT
TTTGATGCCATTAGGGGGTAAAAAANCCCTTTCTTTNCCTGNCCAANGNGCTCTTGAAAAT
GGNTACAGGCCCAGCNAGCCCCCTTTTGCANAAAATAAACCTTGNCTTTGTTGGAACAAA
AAAAAAAA
Sequence 2913
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GTGGTTTATGCCTGTAATCCCATCACTTCGAGAGGCGGAGTCGGGTGGGGATTGCTTGAG
GCCAGGAGTTCAAGACTACCCTAGGCAACATAGTGAGATGCTCGTCTCTATTAAAAAAAA
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GTTAGTGAGGAGAATGGGATGGGAGGACACAAAATGAGGACTTTTTTGT
Sequence 2914
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TGACATTTTCTGTGTGTTATTTTATTNCTTTTCCTTTTAATGCTGGTCACTGCTACCCAT
TTAGNCAACTTGGACCACCCTCTAGAGGGGCTTNAACTGTTATTTTCAATACATTGTCAC
AGGGACAGAGGAGGGTGTTAGGGAACTCTGTGACTAAAGAGTTTTCCATAAATGGGTGGA
CCTCAGTTTACAAGCCTTAAGTTATTGGGCCAGGAGGGGGAACAGATCATGANTAGGAGA
GTGGAAAAGAA
Sequence 2915
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CCTGATATACACTGATATGACAGGCTATTCTTGCTGACTTGATGAAGCAAGCAGCCATGT
TGAGGAAATCCACATGGCTAAGAACTGTGACCAGCCTCTAGGAACTGTAGGCAACATTTA
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ATAAAAACATACATTTTTGCCAGCAAACTTNATGACCTTGGAAGCAGACTCTTTCCCAGT
CAAGATTCCAAATGAAAATTCANCCCAGCTTGACA
Sequence 2916
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ATGCATGTNAACNGGGCTNNACCCCCATCCATTGATTTAA
Sequence 2917
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AAAAAAAAAATTATAAAAAAAGTACCT
Sequence 2918
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TACTATCTCACTAAAGCCTTGACTGGACATAACATGTCAGAAGCTCTTGTCACTGAAGCA
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TTTATGTCGAAGACTCTTGGCATTGGGAGA

Table 1

Sequence 2919
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CGTGGTGGCTCATGCCTGTAATCCCAACACTTCGGGAGGCTGAGGCAGGAGGATTGCTTG
AGCCCAGGAGTTCAAGACCACTCTGCACAACAAAAAAACCCATCTCTACCAAAAAAAAAA
AAAAGAAAAAAAAANNNGTCCGCGGGGCTGACTGTTAAGGAAAGAGCACCCACATCTGCT
CCTACTTAGCTTTTTTTTCTGTGGTTCTTACACAGTATTCCTTTTTTTTCTTTTCTTGAAAG
AGACTCCTCCTTTCTTTTCTTTTCTTGAAAGAGTTTTAAACAGATAAGATGGCAAAAGTG
ACTGATCTCTACTCCCCCAGTTTGAATGGTAAAATTTGAATGGTAAATTCCCATGAACAT
ATATGGAAATGTCTTTATCCTACTT
Sequence 2920
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGTGGGCGATCTGGGGGCCAGGTT
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AACCAGTGAGTGGTGAGAGCTCTGTCAGTGACAAACACTCCTTTGGCCTGTTGAATTTGC
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TTTACTGAGCTGGAAGCCTCTGAAAGTTATTAAAGGACAGAATCCAAAAGAATGCCTTTA
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AGAAATTGTGTTCTTTGACAACAGATTGGATCTGTAATGTTGATTAGTCTTTAGCCATAA
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Sequence 2921
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ACCACGATTCAAATAATTCCCCTCCTAAAACCAAAAAGGAGGGAAACCGTCAACTCCATT
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TCAGAATATAATATTTCTTAGTTATCAAAAGTANGTTGGAAAACATTTGCAAGACTATGA
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ATTAATTTAAT
Sequence 2922
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CCTCANCCTCCCAGTTGCTGGAACTTACAGGTGCACCACCATAACCAGCTAGTTTATTTT
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CTGCAACTCAGCCAGCCTCTTTGAAGGGTGCACAAGTTACTAACTGTCAACGTTGCACAA
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GTAACAAGAAGAACGGGATTTAACTTTTGGACATGCACACTCATGAAAACCAATGGATTT
TGGAAAAGCCAAAATTGGTTGAAAAGAATAAGGGGGG
Sequence 2923
TAAACTCCCGGCGAATGGTTNTCAANGCGGTNCCGGCCGCCCGGGCAGGTACGCNNTCAA
AGTTAATGGGGTGGTTTNATCTCACANNTTNAGAACTCGTTCACCTCCAAGCATTNCATG

Table 1

ANAAAGCTGCTTCTTATTAATCATACAAACTCTCACCATGATGTGAAGAGTTTCACAAAT
CTTTCAAAATAAAAAGTAATGACTTAGAAAAAAAAAAAAAANAAAAAAANGTCCT
Sequence 2924
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ACGNCCAGGGAAATAANAAACCATTGNTGNAAANCCATAAAAANGGGGCCCANGNCCAAA
AAAAGGGCCCCNATNGGAANAACNCNGNTAAAAAAAAANGGGGCACCGNNCGGTNTGNCN
TTTGGGCCCGNTTTTTTTTT
Sequence 2925
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TGGAGAATAAGTTAATATGCAGAGTTCAAGATGGTTTCACTCACATTGACACCTTGGCAG
GGATGGCTGGAGGGCTGGGCTCAGCCAGATCAGTTAACTGGCGTGCCTGCATATGCACTC
TCCACCATGGTGGTCTCTAGAATTGCTCAAATCTAGAATTGGCGATGCATCCCG
Sequence 2926
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TCAACAAATTTTNCAACACAAACCATTACCGAAGC
Sequence 2927
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GGGTGATGCATTTTTCCTACTTTATGTCCTCGCTCATTGATTATGATGAAGCTGCTGACT
ATTTGAACCTGGTACCTGCCCGGGCGGNCCGCTCTAGAACTA
Sequence 2928
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TTNAGGGGGGGGCNCGGTACCCAACTTTTGTTCNCTTTTAATGAAG
Sequence 2929
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CTGTGAAGAGAATTGTTTCTATAGTAACTGGTCTGTGATCTTTTGTGGCCAAGAGAATAG
CAGGCAAGAATTAGGGCCTTGACAGAATTTCCACGAAGCTCTGAGAACATGTTTGTTTCG
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CAAGCTCACACCAATTGGTTTGGCACAGGCACAGAGCTGGTCCCTAGTTANAGTGGGCAT
TTATGTTAAAAAAAAAAAATAGTTCAGAAATC
Sequence 2930
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Table 1

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NCAAAGTCAGTCCGTTGAANTTCCACCAGCCCATTGTAATTTTACAACAGNNCATTGAAA
GTATATTGCTNGGGTTTGTTAAGAACNCCCCAANAANGTTAACGGGAANGGAAGNATTNT
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GGTTTCCNAAAAAAAAGNAAAAAAAAAAAAAATTGGGC
Sequence 2931
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AGCACATAAAAACACTTTCTGAAGCTCATGAAGACTGTGTAAATAATATCAGATTCTTGA
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ATTGAACACCAAAGTATGCACTTTACATGGTCACACTAGCTGGGTGAAGAACATCGAATA
TGATACTAATACAAGACTCTTAGTAACATCAGGATTTGATGGAAATGTCATTATTTGGGA
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CATGCGAATGAGGTTAACACCAGATTGTTCCAAAATGTTGATTTCAACCGTCCTCTGGAT
ATCTCTTAATTTTGCATGACCTTGACTTAACTAAGTCTTTAGAAGTAGGCAGCTATCCCA
TTTT
Sequence 2932
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CAAGAAAGAAATCTGGAGGTTGCAGAAATCAGGGTCAGGCGCACATACACGCACGCACAC
ACACNCACACACACACACAGATCCAGCAGCATCCTTGGAACATCCTGAAGTCAAGAAA
GGCACAGCACTGTCTGCCCCGATAGAAGGAATTCCAGAAAACAGCCACCGAGGTTGGGCC
ACAGAATTTCCAAAGAGAGCAATCTACAAACTGGGGGGTTGATTTCCCAGTACCTGGATCT
AANCANTCAAACACACCGAGAAGGGATTTTTTTTTTTTGAAAGCTGCCCACCTTCCAATT
Sequence 2933
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TNNGGCGCTCTTCCCCATTACTNGTTTAANTGGACNANTTTNNAANTNTGGACGTTCNNC
TTCGGNAAGCGGANNTCAACNTCACTCAAAGGGCGGGTAAATACCGTTTATTCACAAGAA
TCAGGGGGATAACCNCAGGGAAAANAACATTGTGAAGCAAAAAGGCCAACCAAAAGGCCN
GGAAACCNTAAAAAGGCCCCGTTGGCTGCCGNNTTTNCATAGGCTCCCCCCCCCTGNNCN
ANGCATCACAAAAANTCNNCNCTNAN
Sequence 2934
GCGAATGGACTCCACCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTNTTTNN
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CCTNAAACTCCCGGGTTCAAGTGATCCTCTTACTTCAGTTTCCCAAGAGCTGATATTACA
GGTATGCACCACCATGCCCAGTTAATTTTTAAATTTTTCTATTGCTGTCTGTATTTTCAT
ATCAAGATAAAAGCACAAGTTTAGATTTACCTTTTTTTTTTTAAAAAAATAATCTTTTACTG
GGAGGTGGCAAGAGACCCATTTCTTCAGAATTCCTGTATGGCTCATATTCTGNGTCAGGG
ATTTGGGGGGAAAAGACAATTCCNGGGATAGATGAACCCCCGCACTCATNTCTTTCAAAC
TTAAACTCTNCAATGCCACAATTTT

Table 1

Sequence 2935
CGCGGTGGTCGAGCGGCCCGCCCGGGCAGGTACGCGGGCATGATCAAAGAGCAACATCTG
AGTGTGTCCTGAGTGAAGTTCTGTAAAGATAAGAAGCAGGACTTGCCACCGCATTGCAAG
AGAAAGTTTACCAGCATCAATTAATTAAAATAGAAGGCAGCCAATCGGCATTGGGCACAA
GGGAATGATGCTTGTATTGGAGCATGATGAAGAGATGTCAGCTTTGTCTCAGCACCAACA
TCACTATTAACACTTGCTATCTGTCACCAATCAGCAATCTGTTCCTGATGTAATCGAGAG
TTCCAAAGCACAGCTCAATTCTTCCACCTCTCTGAGAAGAAGTGGGTGTGTAGGCCTTCT
GACAGTGGGAGAAAGTTGCACTCTTTGGGACTCAGTTTCTTCTCAAAACTCATTCANGAA
ATCATCACGTGTCACTGTTAGCTAGGTCCAGGATGTTTGAATAAGAATTGTGGTTATATT
ATAGTAAATTGNGTAAAAAATCAGTTAAGTTATGGGTAATAGGTATGGCAAGTTCCATGT
GCCNAAGAATCTTATAAAGTTTTTTTACATTTAGTAATTCATTTAAGTCTCACAGTANCCC
TACAANGTATNATTTTCCTTATTTTAAAGAGGCAAAACTGAGGTCCCTCGCCCGCTCTNA
ACTAGTGGATCCCCCGGCTGCANGNATTCGATTTCAAGCTTATNNGTCCCNCCNACCTNC
AGGGGGGCCCCGG
Sequence 2936
GAATTGGAGCTCCACCCGCGGTGGCGGCCGGGCGCAGTGGCTCACGCCTGTAATCCCAGC
ACTTTAGGAGGCCAAGGCGGGTGGATCAATTGAGGTTGGGAGTTCGCGACCAGCCTGACG
GATATGGAGAAACCTTGTCTCTACTAAAAATACAAAATTAGCCAGGCCTGGTGGTGCACA
CCTGTAATCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATCGCTGGAACCCAGGAGGCAG
AAGTTGCGGTGAGCCAGATTGCACCATTGCACTCCAGCCTGTGCAACAAGAGTGAAATTC
TTGCCTCAAAAAAAAAAAAAAAAAAAAGTACCTGCCCGnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnGTTAATTTGCGCGCTTGGCGTAAT
CAATGNGNCATAAGCTTGTTTCCTGGTGTGAAATNGNTATNCGTTCACAAATTCCACACA
ACATANCGAGCCCGGNAGCATAAAGTGTAAAA
Sequence 2937
NGGCGGCCGCCGGGCAGGTACTTTTTTTTTNNTGNTTTTTTTTTTTTTTTTNTTTNNCAGAGA
CAGCTTTNTATTCTGTCACCCAGGCTGGAGTGCAGGGGCACAATNTCAGCTCACTGCAGC
CTCCACCTGTTGGGCTAAATCCATNTCCACTTCAGCCTCCTGAGTAGCTGGGACCACAGG
CACGCATNACCACTCCCGGCTAATTTTGNTTTTCATAGCACATTACATTACCGATTTCCC
AGTTTATAAGTAACCAAGATGCTCAAACAAGCAAATATTTTCCTTGAGTATGACTTACTN
CAAAAAAGAGAAAGAACAGAGAAATTGGTTCTGAAAGNGCATTTTTCTAAAGCCCATTTC
AGTATTTGNTAGCTCANATCATATACAAGTTTTAATCAAAATGCTAAAGAATATTNTATT
AATANTCTTCTATTCCATC
Sequence 2938
AGGAGATGCTGCCACCTAGGTTACTTGTAGGACCCTATACGGCAACCTCCTTTGCCAGGA
ACTATTTATAAACATCCTGCAGGAAAATGAGTCTATATGTCAGAATACACATTTNCCACC
TTGCCCAACAGTNGAAAAACATATGAAGAGAAAAACATTAAAAAATGACAAGGAAGTTAA
TGGANGTCAGCAATGTGATGGTGTTTGGAGGTGGAGCCTTCAGAAGGTAATTAATGCCCT
TGTAAGAAGAGGCCANAGAGCTTGCGCACCTTCTTCCTGCCATGTGAGGAGCCAAAGAAG
CCCGGCTGTCTGCAACCTGCAAGAGGACCCTCACTAGAAGCTAGCCATACTGGCATNCTN
ATCTTGGCTTTCCAACTTCCAGAACTGTGAGAAGTATATGTTTTGTGGGTTAGTCAATGG
CCTATGGTAAT
Sequence 2939
CCGCGGTGGCGCGGCNCGCCCGGGCAGGTACGCGGGGACAATTGGTTCATTTTTATAGGT
GTTGACCGTTATGCCTATAAATAAGCCTCCTATAGACATACAGAAATCATATCCTGTGGA
ATTAGAATATAAGACTTGGTAAAAGAGATTTCAAAGTATTTTACTTAACTTGTATACTTG
AAATCATTTAATCCAGACTGAAGTTGTAAAGCCAGCCAGTGTTTTCAATATAGACTTCC
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Table 1

AATTTTAATATTTGACTTCAAGTAGATGGTTTTTAACTCCTGAAATCGAACTACGTTTAA
GTTTGTATGTTTATTACCTGTTTGAGCACTTAAGTGCAATTGTGGGAGCGGGGATGTCAA
GTTCATTTATGTGACTCTTTGGCTCAACTTACATAATCTTTGTTTTGATATCACAGTTGT
CTAATTATTTTACTTTGTAGCTTAAGGCAGGCTGAATTGTTGATAAAATGGAAAAAGTAG
TATATTGTTATATAAGCTTCTGAGGTGTGTTTTGTTGTATAAGCCCTGGAGGGTAAAAAG
TCATNCCTTATGTATAGTAGTTAAAGGCATAAAACTGTGACTTTTAGATATTCACCAGAA
CCAGACTTATTTGGATGGGGATAATAACCCAATGGATTAANCATTTGGTTGCTTTTGGTT
TAATTTATCCGGGT

Sequence 2940

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGTAAACATG
ATTGAGCTAGAAGACAGTTTTACCATATGCATGCATTTTCTCTGAGTTATATTTTAAAAT
CTATACATTTCTCCTAAATATGGAGGAAATCACTGGCATCAAATGCCAGCTCAGACGGAA
GACCTAAAGCCCATTTCTGGCCTGGAGCTACTTGGCTTTGTGACCTATGGTGAGGCATAA
GTGCTCTGAGTTTGTGTTGCCTCTTTTTGTAAAATGAGGGTTTGACTTAATCAAGTGATTT
TCATAGCTTAAAATTTTTTTTGAAGAACAGAACTTTTTTTAAAAACAGTTAGATGCAACCA
TATTATATAAAACAGAACAGATACAAGTAGAGCTAACTTGCTAAAGAAAGGATGGAGGCT
CTGAAGCTGTGACTTCATTATCCCTTAATACTGCTATGTCCTCTGTAGTACCTCN

Sequence 2941

AGGTACCGCGGGGAATACAAAACAAATAAGCCATCACGCCTGCCCTTCCTTGATATTGCA
CCTTTGGACATCGGTGGTGCTGACCAGGAATTCTTTGTGGACATTGGCCCAGTCTGTTTC
AAATAAATGAACTCAATCTAAATTAAAAAAGAAAGAAATTTGAAAAAACTTTCTCTTTGC
CATTTCTTCTTCTTCTTTTTTTAACTGAAAGCTGAATCCTTCCATTTCTTCTGCACATCTA
CTTGCTTAAATTGTGGGCAAAAGAGAAAAAGAAGGATTGATCAGAGCATTGTGCAATACA
GTTTCATTAACTCCTTCCCTCGCTCCCCCAAAAATTTGAATTTTTTTTTCAACACTCTTAC
ACCTGTTATGGAAAATGTCAACCTTTGTAAGAAAACCAAAATAAAAATTGAAAAATAAAA
ACCATAAACATTTGCGCCACTTGTGGCTTTTGAATATCTTCCACAAGAGGGAAGTTTAAA
ACCCAAACTTCCAAAGGTTTAAACTACCTCAAAACACTTTCCCATGAAGTGTGATCCACA
TTGGTAGGTGCTGACCTAGACAGAAGATGAACTGAGGTCCTTGGTTTGGTTTGGTCATAA
TACAAAGGNGCTAATTAATAGNATTTCAGATACTTGNAGAATGGTGATNGGGCTAGAANA
ATTTGGANAANAAATACTCCTGTATTGAGTTGTATCGGGTGGGGGATTTTTTAAAA

Sequence 2942

CCGGGCAGGTACTTGGAATGCTGTGTGGAGTCCTTTTTCTACTTTTGTTCCTGAGAAAGA
GAGATTCACAAACTTCCCACATTCTTCCAGTGGCATCTAAGGATCCCTTCCTAAATGGCC
TTTCTCCCAGCCAATAGACTGAGCAAACCATGTCCCTGATGCTTCCTGCCCACCACCATC
CATTCTTCCAACCAACAGCTTCTCCGGCCTTTCACGTGCCATGCACTTTGCTAAGAGCTT
GAGGGAAATACAGCAATGAAGAAGAGATGATTCTGTTTGGACCAGTGCTCAGGGATTCCT
CCTATTAGAAATCAAAGAAGGCTTCCAAAAGCCCTACAATTTTTTCCCTGTACTAAAGAA
AATAGCTTCTCAATGGTACTAAATTTTATCTCATACGCAAATTGGAATGTATACCCCTTC
ACTCTGAATTGCTTGGAAATATTNCAGGAGAAATAAATCAACTCTGTGTNANGGTCTTCT
AAAAAAGCAGAAGTCAAAGGTCACCAGAAAGACCTTTAAAATCAACTATGTTTCTGACAA
TGTTGCTTTCGAAACTGGTACCCCACTTCCGCAAAATCACCATTGNAAAATCCTTTGTGG
TGTAATTAAGAATAATCATGAATGCCCTGAATGGTCAAAAATGAGTGGTTTTGGTTTTGG
T

Sequence 2943

ATGGGCGAATTGGAGCTTNCCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGTTATTTCAT
TTACTAGCATTTTAGGATCCAGAAGAATTCCACCAGATTGCATGAGTTAGATTGGGAAAT
GGGAGTGGGAGATAATATTGGGAGGTATCTATTTTAAGTCAGGGGCTTACTACCGATTTA
GTTCTCACAATAACCATGTGGAGAAGCTGTGACATTTTTAATTTACAACCTTTCTGGGGC
TCAGACATAAAGTTACCTATCCAANGTTGCAGTTGGGTAGTGGTGGGACCAGCATGGACA

Table 1

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ACTCATTGGCCCTGCCTCAAAAGCCATACCTNTTCTCCTGCTATGCAGAATCTGTTTCTC
CTGAATCTCTGNGATGCTGGTGGGAATTGTTTGCATAGAGGAANGACANTAACCCTGCCN
TCGTGAGTTAATGTCCGGGCTGGTCACAAGNGGTTCATGCCTGTAATCCCAACACTTTGG
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Sequence 2944
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GGCGGCCGAGGTACATCAACAATGACTGCTTCTTATTTCTCTTTGAATCTCCAATACCTG
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GAATAAACTCCCACGAACATCTAAAACAACAGTCCTGCAAACAGAGAGTTAGCATACAAC
AAACCATGTGTCAACATTCCCTCTTGTTAGTCCCTGCAGATCTTAGAGACTGGAAAGCGG
GGGGATATAGAAGGACTGGAGGGATATATTCCATATATCACTGGAAGGTAATAAAGGTGG
CCTGGTTGAAATACTCCATTGACATAACTAACAGTCACCAAACAAGCCAAGTGGAACTCT
ACAGCTACCTTAAAACCCTCTTCACAATAAC
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Sequence 2945
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CCGCGGTGGCGGCCGAGGTACATGGTTTCCATTGCAGCGAATAGACTAATATTCCTTCTG
CTGGCAACCTAGACAAGTTCCCTAAGCTTATGGGTAAAAATGGAGTCAAAGAGAAGTGCC
AGTATCCAATCTTCAAATATTTCGCTGAGGATCACATGAATTTAAAAAGAAACGCTCCGA
ACAGGAAAAACAATTGGCCAAGCCTTGGGAAGGAAACAAGAGGGANGGCATCCAGAGACT
CTGGCTGCCTGATGTAGGGCCTTCGAGGTTGAACAAGGGTGAAGGGGGACCCTCACATGG
GAACAGCGTGATGGAGGCAGTCTGCTTATGAGCTGGGAAGTGAATTGTGTAAACATTATT
GAAGTCAGTTTGGAAGTTGCAAGCCACAAAAAGCCCTATCTGAAAACTTGTTGAAATTAC
CCTTTG
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Sequence 2946
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CCCCGCGGTGGCGGCCGAGGTACACCGAGAACATCACCTGACTTCCCTAAACTTCAGTTT
CCTTGTCCTTAAGAGAAAATAAAAATATCTTCCTCAATGATTAATTTCTTAAAAATCAAT
AAAATGTGAAATAATATCTGGGATGGATTGTGACAAATATTATGAATGAAATTAATACAG
TTTCCTTTAATTATTTATCANAGTTCAGAGAAACACAAATGAAATCATGAATACTAATTA
ACTGTGTGCTTTGTTTAGAAAATGCATTACATCTCTTCTCAGTATTCAAGCATGCCTTCT
TTTTTTATTTGAAATTATCAATAGCATTCTAATCTGNCTTCATACTGGTGCTAGAAATTC
ATCACAGTTTTAAAAATC
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Sequence 2947
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NCACTCCTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGTAAAAAA
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GCTGGCAAGAAAGTATGCCATTGTAGAGAGTGAAAATAAGTGAAGGCAGAATCCTGGGAG
GTAAGCCAGCCTGAAGATATTGATGACACTGGATGGCCTTAAGTTTCCATTTTGACTGGC
ATGTAATCCACCAAAGATTCCCACAGAAATCCGAGGTTCCAAATGGTAAATCCGTGGTGA
CATTGGGGTGACCCGAGAAATGAACTCTTGTGCAGAAAGGAATGGTAACAACACTTGTCT
CGTCAACTTTGGCTCTAGGTAGGGGAAANGAAAACAGCTTTCTAGAGAAATGGTNACCCC
AAGCTAGCCCTCATGAGANATTCAGCTAGGGATNGATGCTATCTGTGTAGTGCCAAAAAA
AAAAAAAAAA
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Sequence 2948
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GACATTTATTTTCTCATATCAACCCTTTTTTACACGTGAAACACAATCTCGCTCTTGAAGT
CTTAACTGCATGATCTGTGAAACCTGTATTTATATTTTCTTCAGGTATTCTTGTCGTGTG
TGTGTCCTAAACAAACCAAAAGAAAACTTTCCAAATCTAAAGTATTCATTCTCCAATTGG
AGCAAGAGGAGTCAGTTAGATACTATCACGGCATTCATTTGTGGCTGGCTTGTCATATTT
ACTTATGATTGATAATAAATCTATTTTGCTTTTTAGAGCCTCCCGAGAAGCCATCTGCCT
TCGAGGTATTTAAGTTTCATGATTTCATTTTGAATGACTTATTAACTATGTATTTTGTGA
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Table 1

AAGTATACATTCTTTATTAATCATTTTGCTTCCAACCCCATTTAGCCTGCCATTGAAATG
CAAAAAGTCTGTTCCAAATAAAGCCTTGGAATTGAAGAATGAACAAACATTGAGAGCAGG
TAAATTTTTTAATGGAACTATGCCAAGACCAATATTTCAATATTGGACATTTTGATGGTC
CTTCTATTCCCAATGCTTTAT
Sequence 2949
CCCGCCCGGGCAGGTACGCGGGTATNGGAGACGATTGAAAAAGGATTTGAAGAAAGGANT
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CAGGCTCCCTCCCACACTGAGACTTCCTCCCCTGCCGGTGTGCAAGTCTGTTAAGTAAAC
AGAGACGTTATACTGAGAAAGGAACATTTCTCTATTTTGGCTATGAGTNGGTATTTTTAA
AGATCATCCTCCAAACATTTNCCCCTATCCTTGGTTATTTTTTCACTAGAAAGAANATGA
ACTGCTTAAAAAAAAAAATTCAACTCCATGACAAGAAAAACCCA
Sequence 2950
ATAGGGCGAATTTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACATTCTGAGCGATCTGCA
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GTAAGAGAAGGAGAAGACCTAGGATTGAGCCCTGAGCACCTCTGGCTTAATGTTGGATGG
AGGAAATTGAATCTGTAAACAATACCGGGAGGCTGCAGCCTGAGAGGCANAAGGAACTGG
GGTGTTTGGGATTATGGAAGCCAAGGGAAAAAGCCTGTCTCACAGCGGGAAGGGAGGTAT
CAACATTGTAAGCTGCTTCAGATAGGTTATGTAGGATGCCGACTGAAAAATATCTGTAAA
ATTTGGCAACCCCGATTCATTGGTAATCCTAGGGAAGTTGCTTTTTTGGG
Sequence 2951
CGAGGTACCACCTGAAGTTCAGGGAGTGGGCATGGGGCCTAAGGCAGGCCAGTGAGAACT
CAGAGGCACTAAGATGTATGTTCCCACTTGCAGAAGAGGTGCATGCTCACCCAGTAGTTG
CTAAAAAGGCTGAAGGTAGGTGTAGAGATGCTTTTGGGGCCATGGTTACCACCCTTGAGG
TAAGGAGGGAGGGTGAGTCTGCCTAAAAATGAACCAAATCGAGAGTGCAACCACAACTGC
ACTAAATGGAAAGAAACAGANATAAGAGAGATGGGCTCCTCTCACAACACATTTGGGGAC
CTGAACTCAGCCCCGCCTCACCCTANGTACCTGCCCG
Sequence 2952
CCGCGGTGGCGGCCCGAGGTACAGTAGGGTATTACACAGCAAAAAAGCCTTCCTGCTGGA
ATATTTCAGCATTTCAGTTATTTATTACATTAGCTTTATGGCATATCACAACCTATTTGA
GACAGGTAGAGTGAACCCTTTTCTGCCACACAGAGGCACATTAAGTGGCCATCATGACTG
GTGAGACTTAATTGTTTTACACCGGGCAGTTCTCTGTCGTGATTTAAATCCCTCGTAAAG
CAGCTGACCCCAGTTCTCAGGATGATTTGGATCCCCCGCTAACTTGGAAAATCAGAGCCA
GCTGAGAGTTGGCTTGCACATTTTAGCATCTGGTAAAAGCGTGCAAGCTAGTGAGATGTG
CAGGGAAGGAGTCATTGGCAATTGTATGTGAAAACACTTAATTAATTGTTTATCTCTTTT
AATTTGGTTAAATGATCATAAAATTGCTCGCATTATTTTGAAGATGTCTTCATGTTTATA
AAACTGTCTTCATGTCTTCACATATTTATAAAACAAAGTTNCAATCATTT
Sequence 2953
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGTGTTCA
GGGAATTACAGCATAGATATGAAAGATGTCTGAAAAATTGGAAATATCAAATAAAAATTA
AGAAGCCTAAAACTACATCAGATTAATATGTAGTATAGTCTTTCACATCTGGCCATGATG
GATGGAGCAATGGGATTATATATACATTCTCACAGTAAACAGTTTTCAGATATTGAACAA
CAAAAAGTAGGCAGTGCTAGCCAGAGATTCCTTGGAGCCAAAAAACAAAACAAAACAAAC
AATAAAAATTGGTAATCTCTATATTGCTCCAGTTTGCTGCTTGGAGAAAGTTCTCAGGCT
GCAGCTCAGAGAGGAAAAATCCAGAGCTCAGTGGTCTGAATGAAGTTAAAGAGGATTTGG
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AGGGGTGTGCCTGAGGGAAGANAGAGAAGAGCCANNANAGGTNGAACTNCCGAGAGAACA
AGTTGCAAAGTAAAAAANNAANTAANGACTGGGGNGCTGCAGACAGGTTTCAGGNTTTAA
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Table 1

TAATNNGCCAAGNTNGGCNCCTTAATTTTTCCCCANAGGTTGGGGAAATTACCCCNAAAGG
GTTTGGCNTAATACCAGGNNNCTNGCCCGTTTTANAACTANGGGNNCCCCCGGCCTNNAG
GAATTNGATTAAACTTTTCNTTCCCGNAACTNNGGGGGGGCCCGG

Sequence 2954

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTGTCGAATGT
AGAAGTGAATAAATAGCAAGACAGAGTCACCCGGCTGGCTTGGACCTGGACTGGCCAAGC
TGGTGGTCTACACCATGATTTGCTGGATAATCCATGCAGCTTTCCCTGCATAGACACAGA
TGCAGCCCCTCTGTCCAAACATGATGCTCCCTCTGTCATTGATGGGAACCAGATGGAGTC
GCGCCTGTAACATGACTGAGCACTGATTTCAGTAAAGTAAATGAATTACCAAATTGTAGT
CATTATAATCTATCTTCATCTTAGTGACACACTTGACTGGCTGCTATAAACCAGGATTTG
AAGAGTGAATGTGGATTTACAGACCTCTCATCTCTGCCCACAGGATCCAAATCTGGCAGA
ATTGTCATCTCTCCCGCGTACCTCGGCCGCTCTAGAACTA

Sequence 2955

CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGAAAACAAACCATATCTAAACCATAGC
AGTGGCATCCTTTGAACTCACGGATCCAGTCATAACTGAAGTTCCATCTACACCTGGGGT
CTTCAGACCCAGGCTCTGGAAAAGATCCTGTTACTTACAAGCAAAAGAAATTCTGCCTCT
TACCCTCAGCATGTGAGTACCT

Sequence 2956

CCTATAGGGCGAATNGGAGCTCCCCGCGGTGGCGGCCCGAGGTACATGGTTTTCCATTGCA
GCGAATAGACTAATATTCCTTCTGCTGGCAACCTAGACAAGTTCCCTAAGCTTATGGGTA
AAAATGGAGTCAAAGAGAAGTGCCAGTATCCAATCTTCAAATATTTCGCTGAGGATCACA
TGGAATTTAAAAAGAAACGCTCCGAGCAGGAAAAACAATTGGCCAAGCCTTGGGAAGGAA
GACAAGAGGGAGGCATCCAGAGACTCTGGGCTGCACTGATGTAGGGCCTTTCGAGGTTGA
ACAAGGTGAAGGGGGACCCTCACATGGGAACAGCGTGATGGAGGCAGTCTGGCTTATGAG
CTGGGGAGTGAATNGTGTAAACATTTATTGAAGTCAAGTTTGGAAAGTTGGCAAGCC

Sequence 2957

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTCTGATCAAGCTAGGTCATGT
GCTGGACCCTGGGAAAGCGGACACAAATATCCTGCCCTTACTGGCTGAATACGTAATGAG
GGGGACCCAACATGGGAACATATAAATGTGCAATTTCAATTTTTTTTTAAAAAAACACCCT
GATAAGAAATCAAAATGTGCAGTTTCAAAGTGTGGCAAAGCCATGCAAGAAATGACCGGG
CACGGTGGCTCACACCTGTAATCCCAGCACTTTGGGAGGCCGGGGCGGGGGGATCACTTG
AGGTCAGGCATTCGAGACCAGCCTGCCAATGTGGTAAAATCCCATCTCTACTAAAAATAC
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CANGAGAATGGCTTGAACCCANGAAGCAAAAGGTTGCAATGAGCCAAGATGGCACCACTT
GCACTTCANCCTGGGCGACAGANGGAGACTCTTGTCAAAAAAAANNNAANNNNNNGGNNNN
NNNGTTCCTGCCNGGCCGGCCGTTTTAAACTAGTGGATCCCCNGGCTGGAGGAATTCCAT
NTTAAGCTTATNGATACCGTCNANCTTCAAGGGGGGGCC

Sequence 2958

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AATAAATCACTATAAGATAAATGCATTGAACACTAAAAGCATCATAAATATTTTATTGGC
CATGAAATCTTGTTAAATTAGCAACTACCTTCCCGTGTAAAATGAGGGCTGATGTGGAGT
GACACCACCGTTACCTGAGCCAGGATGATAAGGGGGTCCTCTGTGCTTTACCTCTTTAAG
GAAAGTAACTCTGAAACAACCAATCACTTTTTGTTCTTTTTCTGTTTTCTTTAGCCCTTT
TCTGCCAATAAAGCTAACCCCCCTCTGCTCAGCTTATTGAAGAGC

Sequence 2959

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATTCGCTAGAAACAGTTAAGTAA
CAATACAAAGCGCCCCTGAGTCTAGTTGCTGGGGAGGCCAAATGTGAACTGGCTCTAGAA
AGATCTGGGTGGGCTGAGAGACCATGTGGTAATAGCATAAGCGAAGACAGAGTGGACATG

Table 1

AGTCTGGGCTGCTTTGCAGGTCAGACGNGACAGAAGAAGGTACCCAAGGGCAGGGTANAG
GGAAAGAAAGGACACTTTGGCTTNTGTAGAAAGTCGGTGAGTTTGTCGGGGGAGATTTGG
GATCAGGGAAAATGAGAATGGATTAAATTTGTAATTTTTATTAGGGCCTGCTTGGGGTAG
AAAAGGTTNTGGGGACCTTTTTCCTTTTCATGCCCCTGGAGGATAGCCATTGTTNGCCCA
NGCCCGGGGGATGGGGACATTCCTTTCACTATTCCCTACCCCCCCCAT
Sequence 2960

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGGCGGCCCGGGGGCCATTGAGACTGCCATG
GAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTC
TTGACAAAGATAGACCATTGGAACAATGAGAAGGAGAGAATTCTACTGG
Sequence 2961

TCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAGTGGCACAATCATAGCTTAGTGCAGCCT
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TACAGGTGCACCACCATAACCAGCTAGTTTTATTTTTTGTAGAGACAGAAGTCTCACTTT
TTTTCCTAGACTGGTCTGAAATAGACCATTCTATTTGCTAGAATGGTCTCAAACCATCCT
TCTGCCTCAGCCTCCCAAATTGCTGGAATTTCAGGCATAATTCATCATGCCTAGCCATTT
CTTTTTTCTGCTGCATTGCAGAGTTAGAACCAATTTCATTTTGTCCTGCACTGAGAATGT
GCATTCCCAGCANGATCATGGTTGAGCTCAGCACACCTGGCAACTCAAGCCAGC
Sequence 2962

GATACCAGGCCGTTTCCCCCTGGGAAGCTTCCCTCGTTGCCGCTTCTCCTGGTTCCGACC
CTTGCCCGCNTTACCCGGGATACCCTGTTCCGGCCTTTTCTCCCCTTTCNGGGGGNAAAGC
GGTGGGCGCCTTTTCTTCATAAGCTTCACGGCTGGTTANGGTATTCTTCAAGTTTTCGGG
TGNTAAGGGGTACGTTTTCCGCCTCCAAAGGCCTTGGGGGCTTGGTTGGTTGNCACCGGA
AACCCCCCCCCCGGTTTCAANCCCCCGGACCCGCTTGCCGNCCCTTTTAATCCCCGGGTT
AAANCTTATTCCGGNTCTTTGGAAGGTCCCAAAACCCCCCGGGG
Sequence 2963

CCGCGGTGGCGGCCGAGGTACAGCTGCATGCCATACTGCAGAATAAATAAATAAAACACA
TTCCCACCACTTTTACTACTCTGATAATCTATGAAAATCAACACTTTCATCAATTATACA
ATATAAATATAAAAACAATTAAAGCAAACAAGTAAAGCAACCAAAATTTTGAAAGATGAA
CTTTTAGTGCCCTGCAACAATACATTTAAAAAGACAATTGAAGTCTTTTACTTGGACCTA
CAACTTAAGGTCCAGCTCACCAGTACTGGCCCCG
Sequence 2964

TCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCCACAGAACCTCAAA
AGTGGGATATGGAGGGAGAGAAGGAGAATGAGAGAAGGCACAGAGGCAGGAAGAACAAGT
CCGGTTTGGCTGGCAGGAGGCCATCTGTGAGAAGCCATCTGTGAAGCCAAATTCTTGATT
TCTAAAAAGAAAAGATTCCTTACTCTGGTGGGTAAAGCTGGAGGGCAGAGGGCAGAACCA
CCAAAGGCTTTGTGCANAGAACAAAACTGAAGCCGTGCTAGAGAAAAACCATACAGTGTT
GGGCAGGACAGATGACAGGACAAACGGTCTGAAGCTTAGGAAGCTTGACTTCACCAAGCC
CNGTGCNCACGTTGCAAGCATTTCCTATAGAAACACNGTTCTTTGACCCAACATGCCAAA
AACCATAGNTTTCTGTCTTACAGAAATNAAGGGCTTTTC
Sequence 2965

CCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAAGGTATTT
TTGCTAACTGTAACTTCCCACTTAATCAACAAAAACAAAAACACTCATTTCTGAACATTC
AGTGCATTCATGATTAATCTTAATTACACCACAAAGGTATTTTTCAATGGTGATTTTGCG
GGAGTGGGGTAACAGTTTCGAAAGCAACATTGTCAGAAACATAGTTGATTTTAAAGGTTC
TTTCTGGTGACTTTGACTTCTGCTTTTTTAGAAGACCTTACACAGAGTTGTATTTATTTC
TCCTGGAATATTTCAAGCAATTCAGAGTGAAAGGGTATACATTCCAATTTGCGTATGAGA
TAAAATTTAGTTACATTGAGAAGCTATTTTCTTTAGTTTACAGGGGAAAAAATTGGTAGG
GGGCTTTTGGAAGCC
Sequence 2966

Table 1

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TATAGGGCGAATTGTAGCTCCCCGCGGTGGCGGCCGAGGTACATGTGGCCTTTCAGCTAG
TGCAGAGGATGGAAACCAGAGTGGGCTGATGATTGGATGCCAGGCCTGAGCCAGGTGAGT
CCTGTTCTCATTATACTGTAAAGTGAGCTGCTCCAAGCCTCCCTGATTCTTAGCACTCCC
AGTCCCTGCAGGGGTCCCTGAGAAGGTTAATCTTGCATTAGGCCCTCTGCTGTTTTCCCT
CTGTAAGCCTTACTCCACTTTGCAGTGAGTTCTAGTATAACTTCTATTCCAGTAAGATCA
AATGGTTAAGGACTCCAAAAAAGAAATTTGGTGAACACAAAGGGTTTGTCATACTTTAAC
TTTTGTCCCTTTCCC
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Sequence 2967
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CCGCCGGGCAGGTACTAGCTGTTTTTGCGACTTTTAATAATAACACCTACTAGTTACTGA
GTGTCATCATCACCAATGTCATGATTGCCACGATTTATTGAGTGCCTACTACATGCAGGC
CCCAGGTCAGNGCTTTACACTCTTACTGTCATGTTGACAACAGCTCTGAATGACAGGAGC
TCTGTTCAGTGTTTTACAAGTGAGAAAACTAAAGACACTAATAATTTTTAAAAATATATC
CACAGTTCTATGATTAGTAAGTAAGGGAGCTAGTCCT
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Sequence 2968
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Sequence 2969
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CTCAAAACAATCTGTCCTCCCACCCTGTCATCTCTGTTCAAAAGTAAATACCTCCCTCCC
TCTGCTTTTGCCCTAAAGTTCTTTTTTCAACTCACCTAACATCTAACT
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Sequence 2970
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AAATCAAATGCCATATGTTCTCACTTATAAGTTGGAGCTAAGCCATGCGTATGCAAAGGC
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ATGAAAAAACTACCTGTTGAGTACCTCGGC
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Sequence 2971
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Table 1

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Sequence 2974
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GGGCCTTCACTAACTAACTTATTTACCC
Sequence 2975
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GGGGGAGCCAGAAATTTGAAGATTCTCTTTCCTGTCGGAGACTACAAACCAAATAAATAG
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AGA
Sequence 2976
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Table 1

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AGAAGGCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAA
CCCATGGTCCACTGAAGTTCCTTATGCTACTTTCACTGAGCATCCTATGAAATACACCAG
TGAGAAATTCCTTG
Sequence 2977
CGAGGTACTAACAGTCAGGAACAAATAGAACACATAGAGAGGACAGTGGGAGGTCCCCCT
GGCTAAAGCAGAGGGTGTATTGAGAGAAGGAAACCTTTGCCTCAATGGATCGTAGGCAAA
CTGAGAAGGACCATAACACCTTGCTGAGAAGTTTGAATGTGATTCCTTGGTGACCACAGC
AGGAGGTCCTGAAGTCCCTGTCCTTCAGATGCAAACAAGGAGGCTGTCCCATACAGACTA
TCAGGGAAAAAATGCACTGTTTATCAAAAGATATGAATGTTCTTGACAGGCAAAGCCCTG
CTCAAATGAAATGGCAGTGCAGGGAGATGATATTCAGTGTGATGCAGCTGTGAGTACCTG
CCCG
Sequence 2978
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GGACTCCCCACTGATTCATTACCAATTTTCCTCTCCTCTGGGCTCTTCTTAGATTGCAAA
TGGTGCCTCTGGATTGGGTACCTGCCCG
Sequence 2979
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ATGTCAAGACATTATAAATAAAGAAAATAATGTTATTTGTTATGCAGGCTAAACACTGAC
CAACTCACTCAATATATTCTGGAAGTGGCAAAATAAAATTGGAAAAGTAGAACAAGTAAT
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CGGTTT
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TGTTTATCCAACTTGGTTGCTCTTGAAGCTGGTGAGAGCCCTACCAGGATGTGGAGTGGA
CTTCCTAGCAGAGGCAGTACCTCGGC
Sequence 2981
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TGCAGCCACCCTGTGGTGTGCGGTGTACCT
Sequence 2982
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CATCAGCTTTAAAAGCCCCCAAATATTGCTGAGCTTGCTTTTTTAAAACTTCTCTTGCAA
ACTTTATAAATTTGTTTCAGAGCACTATAATAAAATATTTCTTGCAAACATGGACTATAA
GTGCCAGAGACACTGGAGAAATCTGAGGGTGGGGAGAAAGGATAATCTATCAGCTTGNAA
GCTCCAAA
Sequence 2983
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Table 1

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CTACAAATTGAATCAGCAATTCAAACTTGAATTTGGAACTTTTCATTATTTATGTGGACA
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CAGAACAAGAGGATTCCCTACAGGTGTGGAAAGAAATATTTCCGCTTGGATATTCCTACA
GTTACAGGAAGAACAACCTTAGGGAAG
Sequence 2984
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AGCGAAAATACACTAAGCTTAAATACAGGTTAGTTTTCAATGTCTGTGCCTCATGCCTTC
TTTCTCATTTTTGCTACCCCTTTTCTCCCTTGGCATAGTGACATCGATAGTTCTTTCTAA
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GAGGCAGAGATTTGAGTACCT
Sequence 2985
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CCCCC
Sequence 2986
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GGGCTGTGGCAAGGGTCAGGCTATCATCATTGGCCCCTTCAATAGACTGACCCTAGCATT
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GTCACTATTAATAGTGACCTCCTTTCACTCTCAAAGTTGTTCCAGTTTGGGCAATGAATT
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Sequence 2987
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TAGCATAAAAGTGTAATCCTGGAAGATGTGGTGTGAGAAGGTAGCACAAGTGAAGTAGAG
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CACATTCAGGGCTACAAAGCAAGTTCTATGTGATTTGCTCACCTCTCAATTGTGGGACCC
CTCAAAATGTGTACCTCGGCCGCTCTAGAACTAGT
Sequence 2988
AGGTACCCAATCCAGAGGCACNATTTGCAATCTANNAAGAGCCCAGAGGAGAGGAAAATT
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GACAGAAATGAGGCTCTCAGGACTCAAGAGGAGCCTCATTCCAGGCAGAAGAAGGATCAT
GGAAACCACACAAGCGGGTACCTGCCCG
Sequence 2989
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CTCCCCACCCTCAGATTTCTCCAGTGTCTCTGGCACTTATAGTCCATGTTTGCAAGAAAT
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Sequence 2990

Table 1

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TTGCACATTGCGTTCAGTAATTGTTGTTTATTTATGTTATTTCTGA
Sequence 2991
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Sequence 2992
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Sequence 2993
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CTGGCTCTGTTGCTCACTTAAAA
Sequence 2994
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TCTGAATTAAATGGTAAGGAATTATTTACCATGCAGAAATCGTATAAATCTTTTTTTGGT
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TCAAGTAAGCCTCTTTCAGGAAATCAAAGGATCAACACAGATTTAATTTCACCTTCTGAA
ACATCTACATCTGTGGTCTTTTACAATGAGAATGTGCCCAA
Sequence 2995
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GGGATACTCTTCTCTCTTTGGAATCCCTCCTGTTTGGAATACTCTTCTCTTCTTGCCTTT
GGCATCTCCTCACCACGCACGTTCTGCTAATTCCTAAACTGCTTATAGATTGTGGCTTAG
CTTTGACTTTTTTCAGGATGCCTCTGCTAACCCCTAAATTCAAGGTAGGTCCCGCGTACC
TGCCCG
Sequence 2996
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Table 1

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AGTCTCGGTAGCCGCTGTGCATTATCCTGGTCACATACTGGAAGTTTTGTTTATCCAACT
TGGTTGCTCTTGAAGCTGGTGAGAGCCCTGCCAGGGATGTTGGGAGTGGACTTCCTAGCA
GAGGCAGTACCTCGGCCCGCTCTAGAACTAGTGGGATC

Sequence 2997

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TTATCTACTTTAAGCCAGAGTATAAAATAGCCGACCCAATCTGCACATTCATCTTTTCCA
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TGCTGTCTGTGCACAGCCTGCACATCTGGTCTCTAACAATGAATCAAGTAATTCTCTCAG
CTCATGTTGCTACAGCAGCCAGCTGGGACAGCCAAGTGGTTTCGGAGAGAAATT

Sequence 2998

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ACCCCGTTAAAAAAAAAAGGGCCCCGGCGGTTTTGGCTTTGGGCCGGTTTTTTTTT

Sequence 2999

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GTCATGGGCCACTTGGACTGATAGCAGTTTCCACAGAAATGCCTCAAGATGGTAGAATAA
TCCAGATCTCTTTGCATGGGGCATGGTGTCCCCGCGTACCT

Sequence 3000

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CCCT

Sequence 3001

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AGAAGAGATGATTTCTGTTTGGACCAGTGCTCAGGGATTCCTCCTATTAGAAATCAAAGA
GGCTTCCAAAAGCCCTACAATTTTTTCCCTGTAACTAAAGAAAATAGCTTCTCAATGTAA
CTAAA

Sequence 3002

ACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTTTTT
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CCTTTTTCTTTCTTTGCTACCTTGGTCAAGTTTCCCTTTATTTTCTCTTTCCTATTNAAC

Table 1

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ATCCTGAACAATCTCTGTATTTTTCTTTTATTATATCAGAAGTCTCTCTGTAGTTCAGGT
GAATTTATAGACAGTCATCCTTACACTACCTATATAAAAT

Sequence 3003

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GATTTGAGCCTACTTTTTGAACACTTTGTATCCCCTGTGTGCCAAGGAAATTCAGGGTCT
TTTTCGTAACTTGATCAGATGTCTCCCAGGTTGGGCTACACAC

Sequence 3004

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TTGCATCTGAAGGACAGGGACTTCAGGACCTCCTGCTGTGGTCACCAAGGAATCACATTC
AAACTTCTCAGCAAGGTGTTATGGTCCTTCTCANTTTGCCTACNTCCATTGAGGCAAAG
GTTTCCTTCTCTCAATACACCCTCTGCTTTAGCCAGGGGGACCTC

Sequence 3005

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TTTTTTTCTGGCCAAGGAACCTATTCATCCACTCTCTCCAAATTAAATACTTACTAGAGA
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CTTTTACACTTATGAATCTATTTAACTGCATGATTTATCTGCATGATTCAGAATTTTCTT
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TAAGATTTANAAAGCTGAGGTGACAGTTGTCACCCATAATGCTGATAAATATAGGAATGA
GTCGATTATAAATTTAAACCTTTTGTGGCATTA

Sequence 3006

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G

Sequence 3007

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TCCTATTCTTCAAGGGCACAGGGGCTTACTTAAACATAAAATTTTACAACTTAACTGGAA
GGGTGCCCTGCTTGCAAATGGAAAACTGCCACAGAGCANACTTAACTGCAGCAAGCAGGT
GACANAGCAAGGAACAGGATCCAAAATTATGATTTTTTTGNGNGCTACTGAAGTAAAAGAA
TTTAAGAAGGTTTTACTCAGGGTCATAGGCTGGGTTGGAANACTGGGAAAAGGGAAATCA
GTAGTATCTATATCT

Sequence 3008

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CTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCCT
CTGAGCGCTGTCTATCGCATCTGCCTGGGCANGTTCACCTTCCCTGGGATGTCCCTTGG
ACAAAGAAAACAAAGGGANNAANGGCCCTNAGGGATNTACTNGGGGGGAAGTTCCGGGNG
AAACCAATTTTTTTTTT

Table 1

Sequence 3009
CGACCCCGCAGGCCGGAGCACCTACAGCATCGGCCAGCAACGCAATTTCGTCGTGACCAA
GGGCGCACAGGTACCGATCCCGGTATTCGGCTCGGTGGTGGCGAATACCAGGGCCTTACC
GGCCGGCATCTACACAGACACCCTGACGGTGACTCTGGATTGGTAAAACATGAGGATGGA
CATCATGCATGCACTTGTATCGAAAGCAGTTTTTCCATTGGTGGCGCTGGTGTGGGTATC
GGGCATCCAGGCAGCCACCACCGTGACCGGGCAGATCAGCTCCACGCTGATCCTGACCAA
CAGCTGCCTGGTCAACGGCGTGGGCGGTACCACCGGTTTGAACTTCGGTACGATCAATTT
CGGCACCACCAACAGCCAGTTCACCACCCAGTCCGGCCAAATGCTGGGCGGCGG
Sequence 3010
GACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTCTAAACTCAGA
TGGCTTATGACTAGAAAAGGTCACACCTTTTAAAGACGCAGCTGCGTTCCCTCAGCTGTC
AGGCTTGCTATTCGCAAACTCTGTTACAAGACACCATCTTAGAAGAATGTTCTGAAAAAA
GCAAGATGCAATCAAACAAATATGTCGCCATAAATAGGAAGAAAAGTCTTAGTTGAAATC
TGATTTCTTGGGAAACATTTTAAAATGTATTTCTTTCAAAAATAAAAATATAACAAAACA
AGAAAAGAACTACCTTCGAAATAAATATACTCGGAAATTGCAGACTTGATTTAGATTTCT
TCCTAGGAAAGAAAAACGTTTAAACCAGAATCATAGACACCTATAGCTGGAAGTGCCC
Sequence 3011
GGGCGAATTGGAGCTCCCNTTTTGTGGCGGCCGCCCGGGCAGGTACCAGTTTTATCACNT
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TTGTTCATTTTTAATCTGCAAATATAAAGATTGTGTTCATAATTCTTTAGGTTGAACAT
GAAATGATGGAAGAAGACTTCAACTTCCAGGAGAGATTTATTAGCTAGTGGATACTCAGT
GCTCCCACCAAAACCACTAGAAAAAAATGTATTTAAAACAAATAAATCAACTAGTTCAAG
GAAATAGAGAGCTGAAAAGGCAAAGAGACCTTGCGAAGTAAAGACTCCAGATAAGGCAAC
ACTTAGTGAGGTGAACTGACTTTTAAAGACTTTATCCTTGGATGCATTTCATAATTCTGG
GCATGTTT
Sequence 3012
CCGGGCAGGTACAACCACCCCCCGGGTATCCATAACCTAACAATAACAATTGTTAAGCAT
TCGGCCACACATGTTTCTTCAGCTCCCCCACCTCCTCCCTATCCTCCCAGGTTCCCACTG
AATTATATATCATTTATTCATAAATAATTCTGTATATTTAGTTACAGCTCAATGAATTTC
CACAAAGTGAACATGCTCATGCAAACCACACCTGCACTGGGAAATAGAAATTACAAACAC
CCGGAGCCCCCTCTGCAATACTCTCTCAGTCCTTTCCTCACTCCTTCCAAAAGAGTAGCT
ACTATCACCTATTGTGAACCTTGCATATATGGATTCATAGAACATGTGTATTTTTTTTG
Sequence 3013
CCCGCGGTGGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTGGGAG
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TTGGGAGGCCAAAGCGGGAGGCCAACACTGGGGCTACCCAAGAGTTGACCAAAGGTGATA
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TATTATTTNTAAGTTATCATAAAGCCAACAAGCAAATATGATGTACCT
Sequence 3014
GTGGCGGCCGAGGTACGCGGGTCCTCCAGCCCCTCATGGGAGCCGGACTCCCTGAGACTC
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TGCTCTTTCTTGTCCATGACTTTGAGGCGGGATCTCGAGCGTCTGTCTGACGGGCCTTCT
GTCTGCTGTCCTCTCCAGGTTTCAGACATTGAATTCAGGATTGCAGCCCTGANGGCCCGC
AGGGCTCACNGTGAAGCCCTCGGGAAAAGCCCCGGA
Sequence 3015
CGCGTATACGACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCAT

Table 1

CTCTGTTTCTGAGGAAGCAGCAGAGGAGCCTATGTGATCCAGAGAACTTGTTCTTGGCTT
CTGGAAGCAGAGATGCAGGAATGGACCAATAAGGCATTAAACAAATTCATTTAGAATCTC
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TCCAATAGCTTCACCCGCATTAGCTAATCTTGTGCAGTGAGGAGGTGCAATTCCCTCTAG
TCTCCCGCGTACCTGCCCG
Sequence 3016
CCGGGCAGGTACACAGATCCCAGTTATCAACATAGCCAGATGGCTGGTGGTAGAAGCAAC
CCTGTCCCTGTAGCACCTCTCTGTGTCCTGCTCAAAAGCATTAAAACATCATTCTTAGAT
AAGAACAGAGACAAAGGATATGTCTTTAACACTTTACAGTCTATAAAGTTTTTCCACAGC
CACTGTCTCACTGAATCAACCCCTAAGAGACAGAAATGAAAATCGCTGTTTTTACAAACT
GAGAAATTACGGGCCTTTGAAGTGTTTCACAGCCTTCACAGCCCGCTGGTAAGAAGCAGA
GATCAGGCCTTGGACCTGGGTCTTGTGATTCCAAAGCCCATGATCCTTCGGATTCATCAA
GGCTCCACTCCAAGTGCCTACTGGGGACTGCCT
Sequence 3017
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CACTTTCCACAGCCTTTTAATCTCCCACTCCCAGTCCTCTCTCTTTGTTCTCTTTCCACT
CTGACGAATTAAATTTAGCCCTTATTCTTTTTCTTGCTTTAGAAAAGTTCCTCGAAGTTT
AGACGTGTANAATGTTAGTGTCCTCANCNTATNTCGCCCAAATCCCTCCTTTTATAGGTG
CAGAGACTGAGGCCCACAGAGGTTAAATGCCAGGCTCAAGGTGGTACCTTGCCCCNGGGT
TTTT
Sequence 3018
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GGCGCCCGGTGCGCTGCTGATCGTCAGCCGAAAAAATCCTGCGCGAACATAACCTGACTC
CGCTGGCGAAAATTCTTCTCGTTCGCCGTGC
Sequence 3019
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ACAAGGAGTGTGGTTTGTTATAT
Sequence 3020
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CACCATCGCTTCCAGAAAAAGATCAATACTCCTGACGTGGCAACCTGTCGAGACTCAGGA
CCGCTAGGAAATCAGCTCTTGTTTACCCCTCTATCCATTACACTACGATCCAGCTGGGTT
TAGGCATCACTTCCTCTGAGCAATCCTCCCTGATGTCATGAGGCAGTGCTGAGTGCCTTC
TCTGGACCCTCTGTTTACTTGCCTGTTAAATCCTGAACATC
Sequence 3021
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CATTTCTGAACATTCAGTGCATTCATGATTAATCTTAATTACACCACAAAGGTATTTTTC
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TGATTTTAAAGGTTCTTTCTGGTGACTTTGACTTCTGCTTTTTTTAGAAGACCTTACACAG
AGTTGTATTTATTTCTCCTGGAATATTTCAAGCAATTCAGAGTGAAAGGGGTATACATTC

Table 1

CAATTTGCGTATGAGATAAAATTTTAGTTACATTGAGNAAGCTATTTTCTTTAGTTACAG
GGAAAAAATTGGTAGGGGCTTTTGGAAAG
Sequence 3022
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CCCTGCTTTGGCTGCCTCTGTTTTGGTTCATGTGTCAAGCAGAGACGGGGAAAGCCAAAC
GACACAATGAGCGTTCTCAGAAAGGAAACTTCTTCGGAATGAAAAGCTTTGGCCACATTG
GAAAGGGTAGAAGTCTGAGAGAAACTTTTTCATCAGGGAGACTAGGTCGATGTCTTAGTC
CTTTCAGGCTGCTGTAACAAAGTACCT
Sequence 3023
TATTCCACAGAATCAGGGGATTAACCGCAGTGAAAGNAACATGTGTAGCAAAAAGGCCAN
TCNAAAAAGGTCCANNGTAACNCTNTAAAAAAAGGGCNCGAAGTTTGCATGGNCNGTTTT
TTTTNCACAATAAGGGNCTTCCGNCTCCACCCCCTGGACNTAGGCCATTCNAACAAAAAA
AAAATTCCNTACGGCNTTCCAAAAGGTTCAAGTAAGGGGTTGGGNCAGNAAAAACNCNCC
GNACCAGGGGNACCTTAATTAAAAAAAGGAANTAACCCCAAGGGGGCCGGTTTTTTCNCCCN
CCCNTTGGNGGAAAAGGACCTTCCCCTCTTTCGGTTGGCCGGCCTTTCTTACNCTTGGTT
TTCCNCGGAACCCCCTTGNCCCCGGNCATTTTAACNCCGGGGAATTAACCCCNTTGGGTT
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Sequence 3024
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TGGGGCTTTTCTCACTGATTTACAGTTAAAGCTCATTTACTCTTCCTATGACTTTAGATG
GAGGATATTTNCAAGTCTTCAGGATGGAGACATGGAGGGGAAG
Sequence 3025
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TGGGAGACATCTGATCAAGTTACGAAAAAGACCCTGAATTTCCTGGCACACAGGGGATAC
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CCCCCAGTACCTGCCCG
Sequence 3026
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Sequence 3027
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CTTTGGTTGCCTCTTGCGTTACTTTCAGGGTTTACAGTTGAATTAAACAGGTGGGAAGAA
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TAATTAAAATTAATAATACTATTACAATTAAAATAATTACTTTAATTATTATTTTCATCT
GTGTCTTATTTTATGTGTATTTTTACCA
Sequence 3028
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Table 1

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CATTAACCAGTTTGTTNNACCCTTGCCCCCGGGGCGGGNCCGTTTTTTAAAAAACTAAAN
NNGGGAATCCCCCCNGGGGCTTGGNAAGGGAAAATTTCCAAANTTTTCAAANCCTTTTTT
TNCGAAAANCCCGTCNAAACCCTTTTAANGGGGGGGGGGGGCCCCCGGGAAANCCCNAAN
CTTTTTTTTTNGGTTCCCCCTTTTAAG
Sequence 3029
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ATTTATTTATTTTTCATGTCAATGAATTCAAAGGAATCACACATAGGTTTTTGTATAGAA
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CTTTGTTCCCAGAACATTGTACCTCGGCCGCTCTA
Sequence 3030
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CACATGTTTGCAAAGAGACTCAGAGCCAAACAAGCACACTCAATGTGCTTTGCCCAAATT
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Sequence 3031
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TGGTCATAGAGGGTGGTGTGTGGTTTGGACGCGTTCCCCTTGTCTGTGCAATTCCCAACAGA
GGCAAGTGCGCATTTGAGACAGGTTGAGGGTTCAAGCTGTCCAATCCCTGCTCATCTG
Sequence 3032
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AAGGTAATTCATGTTAAAACACAAGGGTTATATCAGTAAGAGATGGGATCCCCGAAGTAA
ACCGTGGAATTTGAATCAAGCTTNGAAGAGCTAAAAAAAGAAATTGGAGTTTCAACATTN
ACCTTCTTGNATCCTTAAGAAATNCAGNAAGTTCAAAATAGAAAACNTTACAGTTTTCNG
GATNCCAAAAGGTTNGAAAACCNTTTTTGGGGGNATTTAACCCCTTNCANTTTTTTTAA
Sequence 3033
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GACGGCCCACGGGTGTGCATCAGGCTGTATGGGTAGGAATATTCTAGAGGTTTTTCTTTC
CTGGGCTTAATTCCCCAACCAGATAAAATACCTGATGTTTAAAATTTTGGGTTTTTAAAA
AAATCACCCCAAGAAACCTTCTGTTTAACAAGTCCCTATATGTACCTGCCCG
Sequence 3034
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TCTGCTGATTGATATAAATCATTTTCAAATCCAGCAATGCATTGATGACTGTTAATTCCA
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Table 1

GTTCTCCAAAATCTTTAAGTGGGGGATTGAAAAGATCCCAGGGAAGAATGTTATTCTTGG
ATATTCTTGGATCATTT

Sequence 3035

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GAATTGAAATTGCTCTGCTTTCTTTACAAATGACTCAGAGTGTGCTTGTTCTTCCCTAAA
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TCTCGGTAGCGCTGTGCATTATCCTGGTCACATACTGGAAGTTTTGTTTATCCAACTTGG
TTGCTCTTGAAGCTGGTGAGAGCCCTGCCAGGAATGTTGGGAGTGGGACTTTCCTAGCCA
GGAGGGCANGTACNCTGCCCCGGGACGGCCCGCTTCTAGAAACTAG

Sequence 3036

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CTCAAACTCCTGACCTCAAGTGATCTGCCTGCCTGGGCCTCCCAAAGTGCTGGGATTACA
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GTCTCAGCATAGAAGCTATAAAAAGAAACAAGTGGAAATTGTAGAACTGAAAATACAAAT
AANCAAAATTTACTGGAAGGTCTCAACANCAATGAAAGATTGACTGAGGGGAAAGGAGGT
CAGTTAAAATTTGAA

Sequence 3037

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ATTTATTTATTTTTTCATGTCAATGAATTCAAAGGAATCACACATAGGTTTTTTGTATAGAA
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CCCTTTTT

Sequence 3038

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Sequence 3039

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TAGACATGCAATGGTTTAAGGATTGCTAGGAGCAAAACAGAACCATGTTGTGTGTTTATG
GGTAATCAGCCAGTTTGGCAAACCACCCAGTGGGCTGGAAACTTGTTACCCTGCCCGGGG
NCG

Sequence 3040

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Table 1

TTGTGGAAGGATTACGATAAAACTGTGTGACAATAAATAGAATAAAAGATGGCAAAACAA
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TATTTCTCATTGGCACATCAATCAGACCTTGCCCTTCCTTAAAGTGGGGGAGGGAAGNAA
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Sequence 3041
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AAAATAATTCAAG
Sequence 3042
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TGCATNACACTGAATATCATCTCCCTGCACTGCCATTTNATTTGAGCAGGGCTTTGCCTG
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CAAGCCTNCTTGTTTGCATCCGAAGGACAGGGACTNNANGACCTNCTGCTGTGGTCACCA
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CATTGAGGCAAAGGTTTTCCTTNTCTCAATACAC
Sequence 3043
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GACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGAC
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CAAGAGACAAGGAGAAGGCC
Sequence 3044
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GTAGGAGTTAGCCAGGTTGTGTCTGCTCCCTCTAGACTATTCTATACATCAAGAACTAAA
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CAAAAGGCAATGTCAAGTGCTGTGTAATTGTTGGGTTCTTTAGTGGCAAAGGCCANCAAT
GTTGCAGCCAAA
Sequence 3045
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TGACATGCTTGGTGTTCTTGCCCAAGCTTTGAANAAGTTTACAAAGTCTATATGTCANAA
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AGGTAATTAATGCCCT
Sequence 3046
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CACTGTTATTTCTGCCCCACCTCTAAGCATTTTCTTCTTTCTCATTCACCACTTTTTTAA
ACATGTGTAATACATCAGTAACTAATTTATAATATTCCACTCCAATCCATCAACCTCAGT
AAATTTAATATTCACATCATCAGCCCTTCATATCCATACATTACTTCAAATTCTTTATTC
TGTTTGACTCCATGGATTTGCATCACCTCTCCACAGCAGCAAGGCCAAAGACCCAAACAC

Table 1

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Sequence 3047
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TCTACACGTCTAAACTTCGAGGAACTTTTTCTAAAGCAAGAAAACGAATAAGGGCTAAATT
TAATTCGTCAGAGTGGAAAGAGAACAAAGAGAGAGGACTGGGAGTGGGAGATTAAAAGGC
TGTGGAAAGTGGTCTTGAGATAGATGTTATTGGGGACCAACCTTCTCAATGCACTGGTCA
AGCGCCGGACGT
Sequence 3048
ACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCTTCAG
GCCTGGGGCCTGTGCCAATAGAGTATTACTGGATATAGGAATAGCTCTGACACCTCAAGG
TCACCCTAGAAGTTGAAGGATTTCAGGGCTCACATATTTTAGACTCAAACTTCTAGAACA
CTGTTCTGACCCAGCTGAGCTATTGAAGATAGTTTTCACGGCACTGCTATCCTTGATTGA
CCTCCTAGGGGATCTGTCTCTCTTGAGAATAGGCCTCAACTCTAATTTCCTTGGGCCCAA
GACCAANAGTGGGCAAGGGGAGCCTAGCCTGCACCTTGCCACCTGGTGTTGGCCATTATC
AGGGTGCCAGGAGCTGAAGTGGCACATGTTAGTGTCTACAGAGTGCCACGTGGGTAGTGC
TAGGTCTTNCAGGAGGGCTCAGCCACTGATGACTTTAAGGCATGCAGGTCTCCAACATGG
CTTGCAGGGAAA
Sequence 3049
CCGGGCAGGTACTTGTGTGGGTGTCTTACCTTGCATTAGAATATCCTAGGCCTTTCTAAT
TCTTCCTCTTGAATTCCCTGTGTCACTCATCTGAGGTCATCTCTTGGATTTAAATACATT
TGGTCTGAAATTCTCAAACTGCTGAATAAAATGCCATAGTAAGTCCAACTATATGGTTTC
ATGTAGGGTAAAGTAACCATTGTGGAAGGATTACGATAAAACTGTGTGACAATAAATAGA
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AGTGTTCTTACACTTTCATATTTCTCATTGGCACATCAATCAGACCTTGCCTTCCTAAAA
GTGGGAGGAAGAAAAAGGCTGCACCTTGTCTGGGCTGAAGGTCTGGGCCAGAACACTANC
AAAACTTTTTAA
Sequence 3050
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AGCATTGTTTCTCAATATATTTTTTTCAATGGATGGGTATATCAGAGCAATAAGCTAAATT
ATGCTGTAGTAACCAACCACCCGCTTCATTTTNGGTGAATTGACATAAAGATTCATTACT
TGCTCACACTAAACTTCCTCCTGAGGTTTGGTTCTGTGCTGCATTTTGAATTGCCTTCAC
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AAA
Sequence 3051
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GAAAGGGCTGCTTCGTATATCTTCATGACACCTAACAAGCTGTTTTCTCTCTTTGTTCCT
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TCACAACTTGGACCATTT
Sequence 3052
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GCTGTTCTCTTGGCCCTGCAGAGCCAAACCCTGGACCTTTCCAGGAAATGGATAAATACC

Table 1

ATTTCACTTCATTCATTCACTGCTGCCTGTGGTGCCTGAATACATACCCTGTGGCATCAT
CTGTGAGTTATCCACACTTCCCACAGCAGATGCATAGGGAGGAGGTACCTGCCCG

Sequence 3053

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ACACCACATCAGTGGTGGATGGGGATAAACGGGTGAAACGGCGGCTGCTCATGGAAACGT
GTGCTGTCAACAATGGAGGCTGTGACCGCACCTGTAAGGATACTTCGACAGGTGTCCACT
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ACTGCGGCTGCAAGAAAGGATTTAAATTATTAACAGATGAAGAAGTCTTGCCAAGATGTG
GATGAGTGCTCTTTGGATAGG

Sequence 3054

CACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCTGCCC
TAGCAAACTCTCCTAAGTGGAGAATGAGGCCTGGGTCTCTTGACAATTAAAGCTTTGCTC
TGTTCTTGGACTAAATCCAGACATAACCACGTCAGGCTCCTCATCTGCTGGGAAGCAGAT
TGCACTGGATTTCACAGTCACGGAAAACTTTTGACTGTGTGTACCT

Sequence 3055

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GGCCCTTGGGAAGCCACGCTCTGATGAGGTTTGCAGATCTCCCCGCAATCCAGGGCCAAG
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GGAGATACTCAAATGGGTGTTAATATTTCCCAGGCAATATTTTCAAGGCTCAGAGCCTCT
ATTCAAAAGATAACTGAAAGGCTAGCAAAGGGTATTGCAAAGGTATATTCTGATTTCTGA
CAGGAAGATCGATGGATGGACAGTGAGAGTATAAAGACCTTAGGGTTTGGGGTTCTGATT

(

Sequence 3056

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AGGGCTTTGCCTGTCAAGAACATTCATATCTTTTGATAAACAGTGCATTTTTTCCCTGAT
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GCTGTGGTCACCAAGGAATCACATTCAAACTTCTCANCAAGGTGTTATGGTCCTTCTCAG
TTTGCCTACGATCCATTGAGGCAAAGGTTTCCTTCTCTCAATACACCCTCTGCTTTANCC
AGGGGGACCTCCCACTGTCCTCTCTATGTGTTCTATTTGTTCCTGACTGTTAGTACCTGC
CCG

Sequence 3057

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Sequence 3058

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Table 1

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Sequence 3059
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ATCCANGATTGCAGCCCTGAGGGCCGCANGGCTCACGGTGAATCCCTCGGGAAAGCCCNG
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Sequence 3060
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GGGAANCNTATCATATGTGTACCTCGGCCGCT
Sequence 3061
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Sequence 3062
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TCCCCCGGGC
Sequence 3063
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GGTGAACCCTGGCTTTCTGTGAAAAGAAAGGCCGTCTT
Sequence 3064
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Table 1

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Sequence 3065
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TTGGCACCATGATGGGATTGGTTGTCTTATTTTTTCAGTTGGTCCTGCCCG
Sequence 3066
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ATAGTAGCTCAATTTTAGCTTTGTTCAGGCTCCAAATTAGAAAAACGCTGAGATTAGCCA
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TTNCTACAGTTCCAGAAGAGTGAGCTGTCCTGGCTGAGGGTTATTTCATAAGCACCTACA
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Sequence 3067
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CTGCTCAGCTCCTGCCAATTACCACCATGCAGGAATTTGGCCTAGTGTGCTCAGCTCCTC
CTGTTTTTACCAGAAGCTAGGAATCTGGGTTTTTATGTGAAATGGCCTAATTTTTAAATG
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Sequence 3068
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Sequence 3069
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CTGCGGGGCGTGGG
Sequence 3070
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CAACTGTGTACCT
Sequence 3071
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Table 1

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TCCCTGGACAAGNAGACAAGGGAGAAGGCCTTAGGGATCTACTGGGGGAGTCCGGAGGAG
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Sequence 3072
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AATTATATATCATTTCATTCATAAATAATTCTGTATATTTAGTTACAGCTCAATGAATTT
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CGCGTACCT
Sequence 3073
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Sequence 3074
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Sequence 3075
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TCTTAGAAACTAAGTTGGAATCCCCCGGGCCTGCAAGGAAATTTCGGATATCAAAAGCTT
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Sequence 3076
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Sequence 3077
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Table 1

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Sequence 3078
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CTGCCTGCACTCAAGTCTTTTCTCAGTTTGCAAAACCAGGATNCACAATATTTAGTATCT
CCCAAACNTAAAATAAGTGGAGTGCNACAATTCAAAAGAAAATTCAGGATGCATAGTAGN
GNTTTAGAGAACAACATG
Sequence 3079
CCGCGGTGGCGGCCGCCCGGGCAGGTACACACACTCTCTCCCCATATCTCATGGCTCTGT
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CTAGTAACAAAGGCTCTTTGTGGTCAGGACAACAGAGGGTCTATTGCCATCTTCTCAGAA
CGCAGGAGCTCCCGCCAACAGGTGGGGAAGAAAGAGGAGCTGATGTCAGCGGTGCTAAGC
TGTCATCCCAGGGCAAATGTGAGGCTGAACATGGTGAAGTCTACAGCGAACCACCCGGGC
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Sequence 3080
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GGTGCCTGCTCTACTG
Sequence 3081
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Sequence 3082
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Sequence 3083
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Table 1

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Sequence 3084
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AACAAAAGCTCCCACTCTTGGCATCCCAAACNTTCATTAAAGCATTTTTCCTTGTATATA
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AGGAGGTTANGCNCTTNCACAAGGTGGACCCCAAAGGCTTGGCCCTTGGCAANGGCCAAA
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Sequence 3085
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Sequence 3086
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TTTNCCAAAACTTTTTAA
Sequence 3087
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TGAGAAGTATTTATGCCTGTAACTGCTGAATTTCAGGTGAGAACAGTGAGACTGTATGGC
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Sequence 3088
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CAATTTTTTTGNTAAAGACTCCATGNGGNTGCAAAACCTTCCACCNAGGAATTTTTTTTTC
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A
Sequence 3089

Table I

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AACCAGGTTTACGTTACTGGGAACAAACTAACTAGGTTTCCCCAGGTGTGGAGAGCTTTC
ACACAATATACCCTAACTTACATAAACAAAATTACCCAGGTAAATATTTACTAAACAGTT
TTAACATAAATGATAGTGATACACAAATTTGAGTAATAATTCAAGAAAATAAGTNGCACA
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CCTT

Sequence 3090

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GGGCCAAAATGGCCTCATCCAATCCAATGTCCTGTCCAGGGCTTGATCTCTTCTATTGCA
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TACCTGCCCG

Sequence 3091

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GGAACAGTGGTGGTCTCCACAGATAGCTAGAATCTTCTAAGATGAAAATAAACTGTTTCA
TCCAGCTGCTTTCTGCCTGTTAACCTTTGCCACTTCCATTCCTTCAAGTGGTGNAAATCC
CCAGGGTTGTCTTGTATTACACACATCCTTGTTAAGTAAATATACCACTGTTGATTTCTT
CTTCCAGTGCAACATTTGGATTAAATAAAAATCTTTAGTTTTCAAAAANAACAACACTNA
ANAAAAANGTTCCTNGGC

Sequence 3092

CACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTT
TTTTTTTTTTTGTTTTTATTTTTAGTAGAGATGGGGTTTTGCCATATTGGCCAGGCTGGTC
TCGAACCTAAAATGTGAACTATAAAATAAGACTAGACAGCTTTACTGATTTTTGTGGTTT
ATCATATGAAAACAGAATTTTTGAAAAGCNGGGAAAAAATCAAACCAGTTCATTCCTTTT
TAAAATTACTTTGGGAGGCCNAGGCGGGAGGATCACCTGAGGNCGGGAGTTTGAGACCAG
CCCGACCAACATGGANAAACCCCCGCCTCTACTAGAAATGCAAAAATTAGCTGGGCATGG
TGGCGC

Sequence 3093

CGNGGTGGCGGCCGAGGTACCTNANTTGGAAATGCAGAAATNACCTGCCTACTGNNTTGA
TCTCGCTGGGAGCTGCAGACCGGAGCTGTTCCTATTCAGCCATCTTGCCAGCAGGTATTT
CTTTATAGCAACNCAAGAACAGCCTAATACAATTTCCAGTATNAACGGGCTGTTACAAGT
TCCCCCTACCCCTTCCCAGTGGGATGGAGACAGTGGAGTTGNCTAAACTTTCAACATCGT
CCAGAAGTAAAGAGGCCACTCGCTCCCTCTTNCCTCTGGTGTCAATGGAGGCCATGTGGA
GAACANNTAATGAGACACTCCTATTCTTTCCAACTAGGATG

Sequence 3094

CCGGGCAGGTACTCACAGCTGTATCACACTGAATATCATCTCCCTGCACTGCCATTTCAT
TTGAGCAGGGCTTTGCCTGTCAAGAACATTCATATCTTTTGATAAACAGTGCATTTTTTC
CCTGATAGTCTGTATGGGACAGCCTCCTTGTTTGCATCTGAAGGACAGGGACTTCAGGAC
CTCCTGCTGTGGTCACCAAGGAATCACATTCAAACTTCTCAGCAAGGTGTTATGGTCCTT
CTCAGTTTGCCTACGATCCATTGAGGCAAAGGTTTCCTTCTCTCAATACACCCTCTGCTT
TAGCCAGGGGGACCTCCCACTGTCCTCTCTATGTGTTCTATTTGTTCCTGACTGTTAAGT
ACCTCGGCCGCTCTAGAACTAGTGGGATCCCCCGGGCTG

Sequence 3095

ACGCGCACCGGCGTGAGCTGGCAGTGGCAACGCAGGCGGCGGTGGCCGCTGCGCTGCCGC
TGGAACAGCTTAGTTCTTGACGTGCAGCCAGCGCGCGTGCGCGGCGCGGGCCAGGTAGTC
TAGGATGAAACCGAGTATGCCGATCAAGCACCGANNGGCGGGCCATNANTTCCGAATACG
CGAGGCGGTCGCGCGTGTCGAGGATGAAGTAGCCGAGGCCGGCCGAGACGCCCAGCATTT

Table 1

CCGCCGGTACCAGCACGATCCAGATGATGCCGATGGCCAGGCGCACGCCCGTNAGAATAT
NGGCCGCTCTANAACTAGTGGAT
Sequence 3096
CCGCGGTGGCGGCCGAGGTACTCACAGCTGCATCACACTGAATATCATCTCCCTGCACTG
CCATTTCATTTGAGCAGGGCTTTGCCTGTCAAGAACATTCATATCTTTTGATAAACAGTG
CATTTTTTCCCTGATAGTCTGTATGGGACAGCCTCCTTGTTTGCATCTGAAGGGACAGGG
ACTTCAGGACCTCCTGCTGTGGTCACCAAGGAATCACATTCAAACTTCTCAGCAAGGTGT
TATGGTCCTTCTCAGTTTGCCTACGATCCATTGAGGCAAAGGTTTCCTTCTCTCAATACA
CCCTCTGCTTTAGCCAGGGGGACCTCCCACTGCCCTCTCTATGTGTTCTATTTGTTCCTG
ACTGTTAGTACCTGCCCG
Sequence 3097
CTNCTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGGACCCCGGGNAGTTGGCT
AAAACNCTAAAAACTAAATGTGTAAGATTTATGCATTTTAGTGTATTTAAATTATAACCC
CCAGAAAGCATTGCCTCATTTTTTNTGGAGGGTAAATATGCTCGTTAGGAGCATAAGGGG
ATGATTTTGAGAAACCCTTGCTCTGTCATTCTGTCAGNAAACCGCCNCTAACTTTTCTGG
TTTCAAAAAAGCAAGGTCCATTGATGAAACTCCTTTGTGCCTTAGTGACAAATAACATTG
ATAAGGCCTACTGTCAACAAGAGTGTGTTTGNTATATCTTTTGTTTTTAGTGACTAAATT
TGTAGGAATGATATTTTTATGGGATTTACTCAATCTCACCCA
Sequence 3098
CTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGAGCTGTTTCTCAG
AGGAAGCAATGGAGGCTTGCTGGGATAAAGGCATTTACTGAGAGGCTGTTACCTAGTGAG
AGTGATGAATTAATTAAAATAGTCGAATCCCTTTCTGACTGTCTCTGAAAGCTTCCGCTT
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AACAACTGTCCANGTGCAATGAAGGCAAAGTCATAGGTCTCCCAAGTCTTACCCCATTCC
TGTGGAAATATCAAGTTCTNGGGCTTTTCTCTGTCATGGTAGCCTCAACTTTTCTCTGAC
CGGGTGCATTTTCTTTTCTCTGGTTTCTAAAANTTGCACAGTGGGCCAAANTTTTGGGAT
CCACTTTACTTTAATTATCTGGTTAAAATTTTTGGGGACCCCAACAAAAAGTCTTTTTTA
GCCACCTNGTNGGGNGGNNAAAAAAAGAAAAA
Sequence 3099
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCATGCTTTTC
CTGTAGTTGAAAATCTACCATCAAACATGCTACTACCTAATGACGAATTCAGAGAAGGTA
AAGAAAGTATGTAAACCTTTCCCTCACTGGTGGCCCTTATTAGCTTAAAAATGTAGTCTT
CATATAATATAGNCAAGGACATTNATGGCAAGTCTAACATTTTTTACGACTAAAGAAAAA
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GAAGATATTATAGAAATATATTGGACAATTAGTTAATAAATGTTATTTTTTCAAAATGNTT
ATGAACATTTTGTGACATTTGGNCAGC
Sequence 3100
CCGCGGTGGCGGCCGAGGTACTTCTGTCGTCAGATGCAGGTGGTTATGAACTTGGATGCA
GTCAGTAGCCAGAGACTTGGCCATCTACACTCTTCAGCATGGGTCCCCCTGACCCTAAAA
ATCATACAGTCCCTGGGCCAAAATGGCCTCATCCAATTCAANGTCCTGNACANGGGCTTT
GANCTCTTTCTAATTGCAGTTCTAATGGGTTGTCCAGCATTCTTCTTGAGCGTCAACATN
NCTTGATGGATCCTGGACNCGTACCTGCCCG
Sequence 3101
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGCGCAGGTACATACAGCTT
CATATCTGCTAATGGAGAAAATAACTTAAACTTGGCCCTGCCAGGCAACCCATTTTCTTC
CAGTTTAAAACTTAGTCTTTTTTCAGGTTAGCTAGGCCAATTCCAGGTGCTCGTCCTACCT
TCTTTCTCCCATTTCTACACCACCCTTCTTTTTTTGTCTCTCCCTGGGAGATATCTGAGCT
TAAGGAAAAATTCGTTAAGAGTGGGGATCGGAGAGACCTCTGTTCCACTAGTTGCCTTCT

Table 1

GGACATTTTCTGGTCTCCACTGTTGATGTATCCATCCCTTCTGGCCTTTGGGTGCACTGA
GGCATCTTGCTATTGNCTATGGTTATGCCATAGCTCCTAGNCAAAAGGCTCACATTCTTT
TTTA

Sequence 3102

AGGTACCCTTAAAGAGCCTTTTCAGAGATTTCGTTTTTCCTAATTGCAACCCCACACAAT
CCATAACATTTGAACGCTGGTGATGTGCTCTGTAGCAGTGCTGTGTGTTGTGGACCCCTG
GAAGCCTACGCACCATTGAGTATTTGATATTTTTTTTGCCCCATCCTCAAGGAGCAGTTG
TTGCTCCTTAGGGGTAAGTCGCCCCTGCTGAGAATGCATGCTCTCGATAATGCTTGCTTC
ACATTGGTCATTGTGGAATATTTTTATAAAAGAGAGGATCCATTTCCAGCTTCTTTTCTG
CAGGAAGAGAACCTGTGGTTATGTCTTACTCCCCCATTTTGT

Sequence 3103

AGGTACGTGTGCGCATGCATAGTCTTACCCCACTACACCACTGGGCACCTAGCCCAGACA
TTGGGCTAGATGCTTACATATATTATTTCCTCAGAGGACCTAGATTAATATACATATTTC
CAGGAATTATATCCATTTATTTATTTTTTTCTAGGGTGACCTTATTTTTTACCCTGTAGC
CAGTGAAAGGTAAGCCTGTTTTTCTTGACTTAGTGCTGTAAACAGCCAAATGACAAAGTG
ACCGCCTTGCTGGCACAGCAGTGCTTGCCCACTGTGACATTTCCCCTCAGCTTCTTGATT
TTTCTGCCCCAAAATGCAAATACTACAGGACTCCCATTAACTGGTTGAGA

Sequence 3104

CCGGGCAGGTACCCTGGCCTAGATGCCAGTAGCATATTCCCCAGTTGTCAAAACCAAATA
GTTCTCCCAGCAATGCAAATTATCACCTCATGTGTGCGTGGTATTGGGGGTGGAGGAACA
TTGTCACAGTTGGGGACTACTGGGCCGGAGGTCTGTCTGTGCAAAAGGGGAATCTCAACC
ATCACTCTGTAGTCACAAAATGAAAATAAAAGAAAAAGCTATTTTTAACATTTCATATTC
TCTCTCTGCTTTTCACATTTTGCTTTCTACTTGCCAAACTTTCCCCATTATCAGAGCTCC
TTGTGTTTCCTAGCCACCT

Sequence 3105

CCGGGCAGGTACCTGGGACACCAGGCAGTAGCCCTGGAGTAAGATCAAGTGGGAGACACA
TATTCCTCCCCTAATGGGACTGCAGTGTGCATTCTGCCTGTCAATCCATTCCTAGCATTT
GTGGGCAAAGACCCAACATCCCCCTTTAAACACAGATTCCAGGGTCAGGCTTGGAAGGGC
TCAGAACTAGGAAGTCACGCTTAAAACCTTTAAGTTGGNCTCTTAAATTCAACAAAAATT
CACAAACAACCTTATTTTACCCACTCTNCAANTAAAAAAAACAAACAAACCCTGTATANGT
TTGGAAAATAATAAAATNTAATTGCATTCATATTCGA

Sequence 3106

CCGGGCAGGTACACTTCCCCCTCCTCCTCCCCCGACCATGCCTGAATTCAGACCTCTAGC
CCTTGGATCTGTTATCTGACCCAAGAAGTCTTGTCAATTTTAGAAGGCTATCACCTTTTA
ACAGCCATTTCTGCTGCTTCCTGCACACTTTCTAATTTCTCCTCTGCTTTCCCTGGAAAT
CTGATGCTTGACTTGGACACAATTCAACCCTGTCTCCTTATAGAGACAGCTGCTGAATGA
ATGCTAGAAATTTAAATTCTGCTTTTAGCTTAGGGTTCTCTGCCTTCTTTAAAAAAGTAT
TTCTAGAAAACATATACAATATATGCTGCTGCAGATTCACCTTTTTTT

Sequence 3107

AAGTCATTCTCAGGAAAAGGTGAGTGTGGGACCAGGCAGGGAAGCCAGTTTCTGTCCTTT
ATTTGGAACTATAATCAAGGCAGACAACCACAGTAAAGAGATGCAGAGGCAGGGAGTAGT
GTAAAACCACCTTACACACAGCTTCCTGGCTTTCCCTTCACTTTAGGTTGTAGCTCAAGT
TATTCTTGGGCTAAAAAATAAGCTCTGTTGGCCCAATTAAACCAGAATTAATCACCAATT
CCCCATCTTTATCTGGTAATTTTAGTTCAACATTGCTCAGCTGATGGCTCATTAAGCCAA
GAACTCTCCCAGGTCTCAGTTACCATTTTCAGACAA

Sequence 3108

CCGGGCAGGTACTCACAGCTGCATCACACTGAATATCATCTCCCTGCACTGCCATTTCAT
TTGAGCAGGGCTTTGCCTGTCAAGAACATTCATATCTTTTGATAAACAGTGTATTTTTTC
CCTGATAGTCTGTATGGGACAGCCTCCTTGTTTGCATCTGAAGGACAGGGACTTCAGGAC

Table 1

CTCCTGCTGTGGTCACCAAAGAATCACATTCAAACTTCTCAGCAAGGTGTTATGGTCCTT
CTCAGTTTGCCTACGATCCATTGAGGCAAAGGTTTCCTTCTCTCAATACACCCTCTGCTT
TAGCCAGGGGGACCTCCCACTGTCCTCTCTATGTGTTCTATTTGT

Sequence 3109

ACAGAGTCTTGCTCTGTCACCCAGGCTGGAGTGCAGTGGCATGATNAATGAGTGAATGAC
TTGAGTCAGTGAACGTGAAAATGTTTGGTANATTGTAATACNCCGATATTGTGTAATACG
TAAAATACTATTAGGAACTACAGCAATGTCTTATATTCCCAGCTAGGCCATGCACAGGAG
GCAGTGTGCCACACCACACTGAAAAGGNGGCCAGCCCTCACTCANAGCCTGCCTTCACCA
CCTGCCCG

Sequence 3110

CCGGGCAGGTACCCAATCCAGAGGCACCATTTGCAATCTAAGAAGAGCCCAGAGGAGAGG
AAAATTGGTAATGAATCAGTGGGGAGTCCACGAAGGCAGAGGGGCTTTGGCACAGCCCAA
AAGACAGACAGAAATGAAGCTCTCAGGACTCAAGAGGAGCCTCATTCCAGGCAGAAGAAG
GATCATGGAAACCACACAAGCGGGTCCT

Sequence 3111

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TTGGGCTAGATGCTTACATATATTATTTCCTCAGAGGACCTAGATTAATATACATATTTC
CAGGAATTATATCCATTTATTTATTTTTTTTCTAGGGGNGACCCTTATTTTTTTTACCCTGN
AGCCAGTGAAAGGTAAGCCTGTTTTTTCTTGACTTAGTGCTGNAAACAGCCAAATGACAAA
GTGACCGCCTTGCTGGCACAGCAGNGCTTGCCCACTGNGACATTTNCCCTCAGCTTNTTG
ATTTTTCTGCCCCAAAGATGCAAATACTACAGGGACTCCCATTAACTGGTTGAGAGGCTA
ACGCGCAACTGCNAACTTCACCAGGTCTTTCCTGTGCTGNTTCTCTTTTCTTTCCCTACC
T

Sequence 3112

CCGCGGTGGCCGAGCGGNCGCCCGGGCAAGGTACCCTCTCTGTTCCCCTCCCTNCACCCT
TCCCCTCCTTTTCTGTTTTTTAAGATAAAGTGTTGATTTGGAATTCAGCAACTGCAAGTCC
ATTTGAAAGAAGTCAGTTTTTTGTTAGAGGCCTGGATATGANCNAATNTGTTTNTNAACCN
AAAATNACNACNTGAACCANTTCTGNGGGCCTGAACATANANAAAATTTGTTGCATTTATT
TAACG

Sequence 3113

CCGGGCAGGTACTCAATAAAATAAGAGATACTATAGTAAAACTCTTACAGGAAAAATTAT
TAGAATTTGTGCTATACCAAATCAATTTCACAAAAATGAACTGCCTGTCCACTGTTTTTC
CACAAAAAATCCAGGCCATCTACACCTTGCTGGAAGGATGGAACCTCAACTGCTATACTC
CTTAGATTGCTATACAGCAATCTAAGTGGCCCCATCACAGCTCCTCTCCTTGAACATTTG
TTGAGATCAAGTTGCAGCTGGGCCAGGCACAATCGGTCACAGTTAGACAGCTGAGGGCAT
TCCAAAGAGTAGTGTTCCTTCCTCCACATTATCTGCCAAAGTAGTC

Sequence 3114

ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTCAAGACTGT
AATGAGCTATGATTGCACCACTGCACTCCAGCCTAGGCGACAGAGCTAGATTCCATTTCA
AAAAAAAAGGTGATGATGGTGGGGCCCGGCATGGTGGTTTACACCTGTAATCCCAGCACT
TTGGGAGTGCTGAGGTGGGAGAATTGCTTGATCCCAGGAGTTCGAGACCAGCCTGGGCAA
CATTGAAAGACCCCGTCTCTTAAAAAAAAAAAAAAAGAGAGGTAATGGTGGCTCCCTTTC
TCTCATCAACACACTCTGGGGGATGAAAAGGATGATAATGTCTATGTGTGTGATAGATTG
TAGAACGACTGCCANTGTGTTGAGCGAAGAAAAGGAGTATGTCTGCTGAACAGATTAGCT
TCTGGTCTCCAATCAGTATGTGTGGTGGCGTAGGGGGACT

Sequence 3115

CCGCGGTGGCGGCCGCCCGGGCAGGTACTTGATCGAACACCTCTGATAGTCCGAGTATGG
TTACCTCAATAAGTAACCATTCCTCTTGCTCCAAGCCTGATGGGAAGGTAAACATAAGAA
TAGAAATTTCTTGAGCTGAAGTGAAGTGAAGGAACTCCCTCCCGAAAACCATGGCATGTC

Table 1

ACGAGGAACGTTTATTGTANGTTAGGCGGTCTGGTGCCTCTAGGGGGGACAATCAAATGA
TACAGGACCTCGAAGAGTCTTACTTTGGATTTCTGTGGCTTTATAATGTAGTATATTATG
TAGTTCATTGCTGTGGCTTTATGCTTTTTTATTATTTACAAGTGATTTACTGATTTGTGA
GCTCTTGAAACTGTGTCATTGCATGTTATGTTTACCCTGATAGTTGCATTTGCTTATAAT
TCTTTTTGCTT
Sequence 3116

CCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTGNTTTGAGATGGA
GTCTCGCTCTGTTGCCCAGGGGAGCGCAGTGGCGCGATCTCGGCTCACTGCAACCTCCAC
CTCCTGGGTTCAAACAATCCTCCTTATTTTTAAAAAGAGAAAAACNACCTCAAAAAAGTA
AAGGGGATTTGCTCATAGAACACATGGAAAACCAGAAACCAGGAAGAAAATGAACATACA
GTTTTCAAATCATGTGTTTTCATACAAAGTATCGTATTTAAAACTAAAAACAATTCTGAA
ATTAGTAATAAACCCATTTTCACAAATAAGGATCTAAAGCTTAAAGAACCTGCAGGCATA
CAATTAGTCAACAGCACAGGCAGAACAGAAACTNTGAGTCTATGTGATTCTA
Sequence 3117

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGTGCTCTTGAG
TCGGCAGATGTTGTAAGGGACTGTGTAGATCAACCTTTAGGACAGGAGGTAGCACCTAAA
AGTGAGGACCAGCTGTGGTGGTGGCAATAGAGTTTATGCTTGACCTTTGTTAATCGGGAG
AAGTTCTTGGGCATTTCAGATGATGGGTAGGGCCATGGAACTCTCAGTAGTCCTGGTCCC
ATGATCTGCCTCTGAAACAGGAGGGGTGGGATGTGGTAGTGGGATCCACTTTGTTCTCGT
GCTCCTGACCCAGTGAGGCTCTCTCCTGCAGTCCAACACCGGCAGCAAGTCACAAGAAGT
TTGTCTTNANGACCATGAAACTGCCTCAAGCTTGTAAAGCTTTCCTGCCTAGGTC
Sequence 3118

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCCAACAATTT
GAGTAACGTCACTTGGCAGAAGGAGACATTTTTGAGTCATGCCATAGATTTGAGCCCTGC
TCCATCATTTACTTGCTGTGGGACTTTGGACCTGCATCCACCCTCTCAGAACTTGTGTCT
TCATTGTGTATCACCTATTTTACAGATTGCTGTGAGATTAAACAAGGTAAGATACAAAAG
GGTCCTAATACACTGACTGTTAAAACTGAGCAGTGACTTAGAATAATCTCTTGAGCAGTC
CAGGGCACATATTGACCTCTTAAGTCTCCTTTAGAGTTATAATATTAGCATAATAACACT
GAGCTTTAAGAAAAGTCTTTAAGCCAGTGATTCCTGTGTATATACCCTCCAGAGGGATTC
CAAATCCCCAGGAACTGAAT
Sequence 3119

ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGCTCCCACCAGATACTCACTTGGTGAA
TTGAAAGAGGAGCTGTAGTGAAAATACTGTCTTAGGAAAAACACAGCTCTTGATTGAGGC
TATCAGCAGGTTAATGAATAACTGTTTTCAGACAACATTTCACCCCTAGTTTGAGCTGCT
CTTAGAATGAATGTGGCCAGGTTAATGTGACCAGCAGACATAATGCAAAACCAAACTAAG
GTGGTAAATTGGCATCTTGGCTTTGTTGCACATGCAGGAAAGATCCAGGACTGGTGTCAG
AGGTATACTGTCTTTGGCAGAAGAGTGCTTGTCCATAACCAGAGTACCTGCCCG
Sequence 3120

GGCGANTTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCAACTGAAAAATAAGA
CAACCAATTCCATCATGGTGCCAACCACTCTAGTTGTCTTGGGCAAGTCACTTATTTATC
CATCTTGGCTTTCTTGCTCAAAAATGATGGATAGCTACACCTCACAGTGAGGATTCAGGC
ATGTAAGCAAAGTGCCTTGAAGACAGGAAGCCAGACATTATAGGAGCATAATTTTTGCCC
TGAAATGCATTTGGTATGGGTTGGGCATCANATGTTTCTGATTTGTGAATTANTCTGAGA
ATGTTAGACATGCAATGGTTTAAGGATTGCTAGGAGCAAAACAGAACCATGTTGTGTGTT
TATGGGTAATCAGCCAGTTTGGCAAACCACCAGTGGCTGAAACTTGT
Sequence 3121

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGAATTTAGGGAA
CGAATCATCCCACTTTTTGTATTGAGAACAGATTTGGGGAAGTAGTGGCAGGAAAGTGTA
GAAGTTGGAAGATCCTTTAGTAGGAATATCCTCTTGCAATAATACGATGTTGATCCAGGA

Table 1

TCTTAATTATGGAAGCATTAAGTAGAACAGATTTGAAGATGCACTTAACACAATTTGCGG
TGCACTCTGAAAAAAAAATGAAATGAGAGAAATTAAAATGACTCCACAGTTGCTGTCCTG
AGTATCTAGAAGAACGAAGTTGTAATTTACTTGAATGGAGAAGACAATTCGGGGAGCACG
TCTGCATGAAAAATGAATCATCTGGTTTGAATAAGTTAGGTTGAAGAT
Sequence 3122
ATCTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGTGGCGATACCGTAGGCGCCGTG
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ATGATCCTGCGTACCGGCTCTGAGACCTTGAAGCGCGTCACTCTGGAACTGGGCGGCAAA
TCACCGGTGCTGATTCTCGATGATGCGGATCTCAAGACCGCTGTGCCCATGGCTCTCCAG
GCCGGCTTCATGAACAGTGGCCAGGCGTGCATTGCCGGCACCCGAATCCTGGTACCTGAA
AATCGCCTTTATGAAGTTGAAGCCGCTGATGATCCAAGGAGGCGGCCAAAGTACAAGTCG
GTAATCCCCGTGAGCCAGCCACCGCTGTCGGCCCCATGGTCAGTCATAAACAGTGGGAGC
GGGTGCAGCGCTACATTCAGATCGGGATTGAG
Sequence 3123
ACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATACAGCTTCATATCTG
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AACTTAGTCTTTTTCAGGTTAGCTAGGCCAATTCCAGGTGCCCGTCCTACCTTCTTTCTC
CCATTTCTACACCACCCTTCTTTTTTTGTCTCTCCCTGGGAGATATCTGAGCTTAAGGAAA
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TCTGGTCTCCACTGTTGATGTATCCATCCCTTCTGGCCTTTGGGTGCACTGAGGCATCTT
GCTATTGTCTATGGTTATGCCATAGCTCCTAGTCAAAAGGCTCACATTCTTTTTTATTAT
TATTTTTT
Sequence 3124
CCGCGGTGGCGGCCGCCCGGGCAGGTACTGATCTAACCAAGATATGTTGTTTTTCTCATC
CACCAGTCACTTTCTCAGTCCTTTCTGTATCCCTTGCAATTTGAACAAAGCTTGGTGAAT
AGTGTGCACACAAAAAGCACACTAGGTGAAAGACAGATACATAAAAAGGGTAAAGTCAGG
ATATTTTAACAAACCTATCAAGCTCTAAATATAAGCCTCCTTGGTAGTTTTTCTCTTTAAC
CCTCTCTCCACTGTTGGATGAAATTTGCTGCATTCAATTCCAGTTCCCACCCCAACTTCC
TTCTTAACACAAGGTCAGGGTTAAGCCTTCGGTGCTTTAATCCAGAGGGAAAATTACTTA
TTTTAAAAAGCAGTAAAAAACACCGCATTCCTTTGGCACAGGGATGAAGACC
Sequence 3125
AGGTACTCACAAGCTGCATCACACTGAATATCATCTCCCTGCACTGCCATTTCATTTGAG
CAGGGCTTTGCCTGTCAAGAACATTCATATCTTTTGATAAACAGTGCATTTTTTCCCTGA
TAGTCTGTATGGGACAGCCTCCTTGTTTGCATCTGAAGGACAGGGACTTCAGGACCTCCT
GCTGTGGTCACCAAGGAATCACATTCAAACTTCTCAGCAAGGTGTTATGGTCCTTCTCAG
TTTGCCTACGATCCATTGAGGCAAAGGTTTCCTTCTCTCAATACACCCTCTGCTTTAGCC
AGGGGGACCTCCCACTGTCCTCTCTATGTGTTCTATTTGTTCCTGACTGTTAGTACCTGC
CCG
Sequence 3126
TGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAGGTGAAAATTGAACCATGATCA
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GAGGGCAATAATCTTGAGACACAGATATTTANCGCCTCTTCCACATCCAATGTTTTCTAC
CATGAAATCATGTCTTTGTAAAATGATGTGAAAAACATTATAATACATTTTATATAAGTA
GATTTTAAAACTGTGATGAATTTCTAGCACCAGTATGAAGACAGAATTAGAATGCTATTG
ATAATTTCAAATAAAAAAAGAAGGCATGCTTGAATACTGAGAAGAGATGTAATGCATTTT
CTAAACAAAGCACACAGTTAATTAG
Sequence 3127
AGAGAGATGTTTTATTTTTGCCAAAGCATGTGGGAGTAAGTAGCAAACATCATGACACTT
CACTCCTCAAATATTTTCCCACGTATCACTTAANAACAAGGGCATTCATTCTGTTACATG

Table 1

ACCACAATACAATCAGCACAGATAGATATTAACATTGAGACAATGCTCTGATGTATTGGT
ATCTACTATGCAGTTCATAATCAAATAAGGGTTTTGGTAACTTGGGATCCATAAATGGTC
TGCAAGGTCAGCCCCTGTANACCTGCACTNAGTGGGNGCCATTTCCCTGTCTCAGGTGCC
TGCTCTACTGGTGATATTTTTCACTGGCTCTGTTGCTCACTTANAATTTTTTCTCCCAGC
TGTTGACATTTTAT
Sequence 3128
GNCGAGGTCATGTGACCNAAGGACCGGCCCAAACGCAGATGCAGACAGATTCCAGACTCT
TCAGCAATCCTTCCCTTATCTGGGGCAAAGGCTGTGATGCCTACACAGTCTCTGNCATTN
CATCCCTGATGCTCCAGTTTTTAGGAGANACCACCTNGTCATGTTCAAACTTCCAGAAAT
GGTGGTCCTGTGGAAAGAATCCTAGGCCAGCAGCTAGGAGACCTGCTGTGAGTCCCANCC
CTGCCCATCACAGCTATGTCAGGTGGTTCANGACATGTTGGGCTTCAGGTCCCCATCTAT
AATCAAAAAGTTTGTTTCTAGCTTCAACAATCTATGACTATTATT
Sequence 3129
CCGCGGTGGCGGCCGAGGTACATGTGACCCAAGGACCAGCCCAAACGCAGATGCAGACAG
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TCTCTGTCATTTCATCCCTGATGCTCCAGTTTTTAGGAGAAACCACCTCGTCATGTTCAA
ACTTCCAGAAATGGTGGTCCTGTGGAAAGAATCCTAGGCCAGCAGCTAGGAGACCTGCTG
TGAGTCCCAGCCCTGCCCATCACAGCTATGTCAGGTGGTTCAGACATGTTGGGCTTCAGG
TCCCCATCTATAATCAAAAAGTTTGTTTCTAGCTTCAACAATCTATGACTATTATTTCCG
TTTACTGATAGAGTAACTAATTACTTCATTATAGGTTTTCAAGACCAGTTCCTCCTGTTT
GGTTCAATTAGCAAAATGCCAACATGATTGTCATTGATTTT
Sequence 3130
TACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACTGATCTTAAAACAG
CTCTGGCTGTAAAATCACTTTGCTGGAGTCAATGAGGTAAGAGGCTAGAACACAATACTA
GGGATCTGACCCCTGCAGGCTGGCCATGATCCATCCCTCAGGCCGNCTTCCCANAGCAGA
AAAATCCAGNGAGCCACTTAATGAGACNTTTTCTTTAATGTTTTCTTTAACTNNGACNAT
TGCAACTGAAATTTATCANGAGCTTGTACCCCTCCAAAANCCTNTCTCTTTCTTTCNCTN
TGCCTCTNTCCCTCTTGCTGCTACTCTTTTTACTGCTTTTATGCACCAAACTTCATGGTT
TTTTTTTTAATGGAATGANGTTTCTTGGGGAANAAAAGATTNNANGATTCATGGTAACAC
CAATGAAAATTGT
Sequence 3131
TGGTNCTCCCCGCGGTGGCGGCCGAGGTACGTGGCGTAGCATTCCATGTTCAGCTTTGAC
ATTTATTTTCTCATATCAACCCTTTTTACACGTGAAACACAATCTCGCTCTTGAAGTCTT
AACTGCACGATCTGTGAAACCTGTATTTATATTTTCTTCAGTGTATTCTTGTCGTGTGTG
TGTCCTAAACAAACCAAAAGAAAACTTTCCAAATCTAAAGTATTCATTCTCCAATTGGAG
CAAGAGGAGTCAGTTAGATACTATCACGGCATTCATTTGTGGCTGGCTTGTCATATTTAC
TTATGATTGATAATAAATCTATTTTGCTTTTTANAGCCTCCCCGAGAAGCCATCTGCCTT
CGAAGCCCTGCCATNAGAAATGCAAAGTCTGTATCCAAATAAAAGCCTTGGAAATTGA
Sequence 3132
CGCGGTGGCGGCCGGGGGCCATTGAGGACTGCCATGGAATGACTTGAAAGGTCACGTAAG
CTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGA
ACAATGANAAGGAGAGAATNCTACTGGTCACAGACAAGACTCTCTTGANCTGCAAATACG
ACTTCATCATGCTGAGNTGTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCA
TCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACATGGAAGACAAGGAGAAGG
CCTNATGNATCTACTGGGGGAGTCCCAG
Sequence 3133
TGTCACCCAGGCTGGAGCAAGACTCCACTTGTGAAAATTTTCATCAGTTTCCTCCAGATG
TAAAAGAATCTCTTCGGCACACTCCAGGGAAGGGGCACCCNGTGATTTTTCTCCTTCACG
CTCTGGAACAACCGCCTCAGCATCGCCTGCAGCATCGCCTGGTCCTCGCTGGANAAATGG

Table 1

GCCATNTTTGGGGAAGCAGGGGTCCGCGAGGTTTCGCCTNTGGTNCCTN
Sequence 3134
CTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCATGGTACATATATG
GGACTTGTTAAACAGAAGGTTTCTTGGGGTGATTTTTTTAAAAACCCAAAATTTTAAACA
TCAGGTATTTTATCTGGTTGGGGAATTAAGCCCAGGAAAGAAAAACCTCTAGAATATTCC
TACCCATACAGCCTGATGCACACCCGTGGGCCGTCTTTAATACTACAACTTATTGAGTAA
ATGACAATGCATAGCACTCTCAATGCCCTCGTGCCACCCTAATGATTGCTCTACCTTTCT
GCTTTCAAAAGACAGTACCT
Sequence 3135
GAAATCCGGCGAATTGTTTTCCCCNCGGNNGCGGCCGTTCCTAGTCACATTTGTTGTTGC
AGCATGTTATCAGNAGAGTTTTCTTTNACTCTTAAAAATGCCCTGGTNNGGATGATTGAT
CATACCTGCCCCCATGCCCACCCNACCACCCAAAAAGTGCANCCACCCTGTGGTGNGCGG
TGTACCTTCGGCNCGCTCTAGAACTANTA
Sequence 3136
TTAGGGCGAATTGGANCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTGCCTGTGCGTA
GCTGCATTAAACCAAATGATCAAGAATATCAAGATACATCTTCCTGGATCTTCAATCCCA
CTTAAAGATTTGGAGAACATATCATTTTATATTAAAACCAATAACATTTTCAGAATACAT
TTGAATAAATTTCTTTTTTTACCTAAAAACAAGAGTCTTTAAATAAGTATCATTTTTGAGA
TGCATTGCCATAGGATACATACTGAGGTGTCTTCTCTTTCTCTTACCTATTAGAGGCATT
TCTGGGCAAGTTTGAGGAGCATGGAATTAACAGTCATCAATGCATTGCTGGATTTGAAAA
TGATTTATATCAATCAGCAGAGGACCTCCACTGGTGATGTCAGCCAGGGATCTGAGGGAT
GTTCAGGTAGGACATGCTATGCTTTGAATCTCC
Sequence 3137
CCGCGGCCGCCCGGGCAGGTANTNGCTGTTTGGGGCGNTTATCNATAATANTTTCTACTN
GTTACTGAGTGTCATCATCACCAATGTCATGATTGCCACGATTNATTGAGTGCCTACTAC
ATGCAGGCCCCAGGTCAGTGCTTTACACTCTTAACTGGCATGTTGACAACAGCTCTGAAT
GACAGGAGCTCTGTTCAAGTGTTTTACAAGTGAGAAAACTAAAGACACTAATAATTTTTA
AAAATATATCCACAGTTCTATGATTAGTAAGTAAGGGAGCTAGTCCT
Sequence 3138
AGGTACGCGGGGGGTAGATGGAAGGAAGAACTTGTGTGCTTAGACCTGACGCTGGGAGGAG
ATGCTGCCACCTAGGTTACTTGTAGGACCCTATACGGCAACCTCCTTTGCCAGGAACTAT
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TTATGCAAAACATCAAGAAAAGATGAGAGGTCAGAGATGGGAAGAAACAAGAACTTTGAC
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CATTTCCCACCTTGCCCAACAGTAGAAAAACATAAGAAGAGAAAAACATTAAAAAATGAC
AAGGAAGTTAATGGAAGTCAGCAATGTGATGGTGTTTGGAGGTGGAGCCTTCAGA
Sequence 3139
AGGTACCCTAATCCCACGGAACTTCCCTTGAACCAATACATTGCCACCTCCCCACTGAGA
GATGCCAGACTCTTCTCCCAACTCTCCCAACCACCTTAACCAAGTCAGCCCCTCCCACAT
AGTCCCTAGTTAAGATCAGAATGAGCTTTATCTGCTTTCTTAAACTTTGTTGTTCCTACC
TCTGCAATCCCTCTTAGGCTATGGAACTACTGCGGGATGAATTCACCAAGCCGCAGCTGG
GACTGCCTTTGTACCTGCCCG
Sequence 3140
CACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGGGAACTATTGG
AGCACCTAAGAGGAGCACCTACCTTGAATTTAGGGGTTAGCAGAGGCATCCTGAAAAAAG
TCAAAGCTAAGCCACAATCTATAAGCAGTTTAGGAATTAGCAGAACGTGCGTGGTGAGGA
GATGCCAAAGGCAAGAAAGAGAAAGAGTATTCCAAACAGGAGGGATTCCAAAGAGAGAAG
AGTATCCCAAACAACATTTGCACAAACCTGATGAGGAGAGAGAATGTGGGGTGGGGATGG
ATGATGAGACTGAAGAAGAAAGCCAGGTCTAGATAATCAGTGGCCTTGTACCTGCCCGGG

Table 1

CGGCCGCTCTAGGAACTAGTGGATCCCCCGGGCTTGCAGGGAATTNGAATATCAAGCCT
Sequence 3141
ATCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACCGCACACCA
CAGGGTGGCTGCACTTTTTGGGTGGTGGGGTGGGGATGGGGGCAGGTATGATCAATCATC
CAAACCAGGGCATTTTTAAGAGTNAAAGGAGGCTCTACTGATAACATGCTGCAACAACAG
ATGTGACTAGGANCGGGCCGCTCTAAA
Sequence 3142
CCCGGTGGCGACCTCTGTCTAAANTTCTGAATCCCCTCCNACAAAGACCCATTACAGCAG
CATGGCCATGCAGCTGTGCTCACATCTCACCCCTGCACTGGCCAGGAACACATCTATCTT
TCCTTTGGGTAGGGTCACCCAACTGCTCTGCCACTTCCAGCTGTGAAAAGGGCATCTATG
TGACAGACCCCTCTGCAGTTTGAAACTGTGTGACAACTTTAACACCCAACTCAGCATCTG
CATGGGTTTCTGAGAATTACCTATATCTTTTGTGGTCTCTTTGCTGATTCTCTGTTTCAT
TAAAAAAAAAAAAAAGTGACTCGTGATCCCTGAGTTCCTATNTAGNCAATTTTACTTCACT
AGCTAAAGGAAACACTGGGATTTAAAAT
Sequence 3143
GTNAAGAGCTGGAAGCAACCCAGTTGTGCATCAATGGGTAGNAATGGATGACTAAATTGC
AGNGTATTCTTACAATAAAATACTATAGAGCAATGAAAATAAATAAAACTATTGGTGTTN
TTANTGCNAAANCANACCATTGGGATAAAATTCTTTTACCAACCAAATTGTNTCAGGACN
AAAATTGTTNGCCTCAAAACCCCAAAAAAAATTACAGCATGGTCNCCTATTGATATCCCC
ANTANTAATGNCNACAGGGTTTCCACGAAATAANGGTGGATTCNGCTTANGTCTTACCTT
CCTTTTTTGGG
Sequence 3144
ACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCCGCTTGTGTGGTTTCC
ATGATCCTTCTTCTGCCTGGAATGAGGCTCCTCTTGAGTCCTGAGAGCTTCATTTCTGTC
TGTCTTTTGGGCTGTGCCAAAGCCCCTCTGCCTTCGTGGACTCCCCACTGATTCATTACC
AATTTTCCTCTCCCTCTNGGGCTCTTCTTAGATTGCAAATGGTGCCTCTGGATTGGGTAC
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AGATATCATTCCCTTTCTAGCAATAGACAGTGATAANGCATNGCCGTATAGAGGGGGTNNA
ACGNTACGGACTTNTGNANGTTNATTCCATTCTCAATANGACAAAAAGTAAAAAGGTATG
CTAAATTTCAATC
Sequence 3145
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AACACTCATTTCTGAACATTCAGTGCATTCATGATTAATCTTAATTACACCACAAAGGTA
TTTTTCAATGGTGATTTTGCGGGAGTGGGGTAACAGTTTCGAAAGCAACATTGTCAGAAA
CATANGTTGAATTTAAAGGGTTCTTTCTGGTGACTTTGACTTCTGCTTTTTTAGAAGACC
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TACATTCCAATTTGCGTATGAGATAAAATTTAGTTACATTGAGGAAGCTATTTTCTTTAG
TTACAGGGAAAAAAAATTTGTAGGGGCTTTTTNGGAAGCCTCTTTGATTTTCTAATAGGG
AGGGAAATCCCTGGAGNCACCTNGGTCCCAAACNAGNAAAATNCATCT
Sequence 3146
ACTACTTACGGGCGAATTGGAGCTCCCCGCGGTGGCCGGCCCGCCCGGGCAGGTACTAAC
TTGGTCAGGGCAGGGTGACACATAAAATTAACCATCACAGGGAAGGGTAGGGCTGGAGAG
GCAGACTGTGGCCAGGTTACAATGCGCTGAGGCTAAGGAGACTGTGTTTATCCTGTACGC
CAAGTGGGTCTTACCTCTGAAAGTCTTTTGGGGTGGGGACATTCATGGACTTCAAGAGAC
CTGTGAATGCCCTAAGATTATAAAGTNAAATCTGTGAGTCTGTAACTAAAGCTAAAGCTA
TTTTTCTGGGGCCCACCATCTAAAGAAGATTCTGAAGCCTTAGGGTAGCCGTGGAGGANA
CATGAAGGTCCATTTTGCATGGTAGAACCCTGCCTGGCTCTTGC
Sequence 3147
AGGTACGCGGGGGTACGATGGAAGGAAGAACTTGTGTGCTTAGACCTGACGCTGGGAGGA

Table 1

GATGCTGCCACCTAGGTTACTTGTAGGACCCTATACGGCAACCTCCTTTGCCAGGAACTA
TTTATAAACATCCTGCAGGAAAATGAGTCTATATGTNAGAATACACATTTCCCACCTTTG
CCCACCNGTTGGAATAANAANNNTAANAACAAAAAAGGTTCCTTGCCCGGGGCNGGCCCG
NTCGAGCAAAAAGGCCAGCAAAAAGGCCAAGGAAACNCGTA
Sequence 3148
CNAGCCGGGGAGCATAAAGGTGTTAAANCCNTGGGGGNTGGCCTTAAATGNAGGTGGAGC
TAANCTCACAATTTAAATTTGGCCGTTTNGCCGGCTTCAACTTGCCCCCGCTTTTTCCCA
AGTTNCNGGGNAAAAACCCCTGGTCCGNTGGCCCCAAGNCTTGGCCATTTTAAANTGGAA
ANTACNGGGGGCTCAAAACTGCCCGCCGGGGGNGGAGGAAGGGGCNGGGTTTTNTGGCNG
GTTAAATTTGGGGGGGGCCGGCCTTCCTTNTCCCCGGCCTTTTCCCCTTNCGGNCTTTCAA
CCTTGGAACCTTTCCGGNCTTTGGCCGGCCCTTCCGGGGGNTCCGGTTTTNCCGGGGGNNC
TTTGGCCNGGGGGNCCNGAAAGGCCCGGGGGTTAATTTCCAAAGGCCTTTTCAAACCTTTCC
AAAAAAAGGGGGCCGGGGGGTTAAAAANTAAACCCGGGGGTTTTTAATTTTCCCCAANCCA
AGGGAAAAAATTTCTAANGGGGGGGGGGGGGAAATTAAAACCCGGCCAANNGGGGGAAAAAAA

0

Sequence 3149
CTTAGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCAGGTTCAAAT
·AGTCATGCACGCTCATCATAATCAATGAGCGAGGACATAAAGTAGGAAAAATGCATCACC
ATGGTGAGCAAGGAAAGCAAGTTATTGGAGGCACATGTTAACACATAAAATATAAAATTN
ATATGATCACACTGGGAAAGGCTTGCCTGAGCCCCAGTTTGAATGCCTACAATAAGATGA
GATGCACAACAAAAAGCAAGAGAACCTGATCAAGTGGGTGACCTGGCCATGGTGCTCTCA
TCAGTGGGGACCCAAATGCTTATGTGGACTCACCAGGTNTCGAATTAGACATGAATAGGA
GTGTTTGTTGTGATGGCAAGAAACTATATAATCAAATGAATACAATGAAACTTTAAAAAT
AATTG
Sequence 3150
ACTACTTAGGGCGATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAAAATGACCACAGC
AGCATATTTCCTAAGATCCCTGAAAACAGCTAAGATCCCTGAAAGCAACTCAAATGTCCA
TCAATAGAATGATGGATATTATTCTACCCCATTGAAACATTTCACACACAAGTTTTGTGT
TTTATTTTTATTTATTTAATTTATTTATTTTTTCATGTCAATGAATTCAAAGGAATCACAC
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GTGTTCACTAGTTGTAGCCTGCGACTAGAGGGCTCTGTGTCAAGCATTCCACTTGCTACT
GATTCCTACCATACCCCTCTTTGTTCCCAGAACATTGTACCTGCC
Sequence 3151
GCGAATTGTTCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGTGGCCCGAAGTTA
TGATAGATGAGGAGGGTATTTATCTGAGACAAACACTGGGAGGAAATTTCAACCAGAAGG
AATATTAGCATGTGAGAAGGCATAGAATCATAAAAGGCATGTTGTGTTAAGGGAGCTACA
AGTAGCACANTTTGGCTAATGTGTNCAGTTGAGAAGAGAGTTGTGGGCAGATAGGTTGGA
AAAGAAGCCGTGAGTTAGATCATGAAGAGCCTCGGTAAGGAGTTTGTTTTAAAAACAATT
ACTGAAAGATTCNAAGCAAACACAATATTTATAGGTTGGAAATATTGCCAGAA
Sequence 3152
GGTGGCTGCACTTTTTGGGTGGTGGGGTGGGGATGGGGGCAGGTNTGATCAATCATCCAA
ACCAGGGCATTTTTAAGAGTAAAAGGAGGCTCTACTGATAACATGCTGCAACAACAGATG
TNACTAGGAACG
Sequence 3153
CGAGCGGCCGCCCGGGCAGGTACTTTACTCACCCTTCCTCTGACAGAAAAGGATGAAGTC
AAGGGCCTGGTNGAGGCACCACTAAGAAAGGCATTTGAAAGGACCAAAGAGAGTGACCAG
CAAGCATTTTTTGCAAGGCTGGAGGGAGCTGACAAGCTTCNCATGAAAGGGCTGGNACTC
ACCCCANNTGGTTGGAAAAAANGCNNTCCANTCCTNGGGNGTTTACCTTTNGTNGCCTTGCC
CCATTAAAAATCACCAACCCATCAAGNAACATTTGGNTTGGA

Table 1

Sequence 3154
CCGGGCAGGTACACTTCTAGATTGCTCAATGAAAAGAACTCTCAATCCAAAATTTATGTC
TAGCAAAGATATCCTTCCAGAGTGAAAGAGTAATAAAAAGAGTCTCAGATGAAGCAAAGC
TGCTTTAAAAGAATTGCTTTAAGAGAGTTAGNTAGAAGAGAAATGATACCAGAAGAAAAC
TTGATATATTAGGAATTATAGAACAGCAATAATGTATATACCTGGGTAAACATAATAGAT
GATGAGTTCTTCTAAGNAACTTTGAAAATTGAAAGCAGAAATTTTAACATCATTTTAAAA
CAATTTATTTCAAAATAATAGAAGAAAAGCATGAAACTGGCAGATTGGAGGCATCGTTAG
CATGCCCCCCCNACTTGGAAAGAAAATATTAATAGTGTGTANGAGATTCACCCTGAACTT
TTTCCA
Sequence 3155
NCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTGGAGTCATGGTGAA
AAAGGAATCGTGGTTATGTCACTGGATCAAAGAAAAAGGAGAGGAAATCAGAAAAATGAC
AATAATTTTTTCCTTGGTATAGTCCCAGTAAAGGATAAACAAAAAGGAATTATTCCCCGA
ATGCCCCTCCTCTTTATGAATACACAGTATACCCAGCTGGCTTGACTATGATCATTACAC
ATCTGCACTGCATCCATGCATTTGCAGCCTTTTGACAATACATATGGCCCATATGCTTCA
AGAGAGATGAAATGCTTGTCTCAGTTAATCTACATGTCTACTTCTGGCTTCAATCTTAAT
CTTTCAGATGTTCACAAATCAACAAGATAATGTTTCTAGAGTAATGTGGGNAAATC
Sequence 3156
GGTGGCGGCCGCCCGGGCTNGTACGCGGGGAGGTTACTNGTAGGACNTTATACGGCAACC
TCCCTTGCCAGGAACTATTTATAAACATCCTGCAGGAAAATGGCCTCTTTAAATATACAC
TTCTCTGTAGTGTATGCTAGAAATGGAGTGGCTGGAATAAAAGTGGCTGAATCATCTTCA
ACTCTAGTAGCTGAGACCAATGATGCTGACCTCCCTCAAAAGCTGCATTTCTGAATTTCT
GAAGGCAAACTGTCTGCCTATATTGTACCT
Sequence 3157
CCGCGGTGGCGGCCGAGGTACTTTGTGGGTTGAGGGTAGGAGGCTAAGACTGCCAGGGAG
GAGGTCCCGGCTTCCTGCTCCTACCGGGGAGCAGCAGGTGAAACTCTGACCACGTTACTG
CAATCCTGACATGCTCCAGTGGAGTGGCGACATTTTTCTTCTCGAGGCAGCTTTTGGGGA
TCTGTATTACTTTCATGTGGACCACTTGCTAGTTTTGATTTCAATGATAATTTCTTCCTT
CCTTTTTTTTTTTTCAAGCCTGTCTTCATAGNGATGACAACACATTTAACATTTGTTTTG
ATTTT
Sequence 3158
AGCTCCCGCGCGGTGGCGGCCGAGGTACGCGGGGAAGCTAAAGAGGAGATCGTTTTTATT
TCATAGCGAGAAATGGCTTCCGGGTGCTGAGTAGAAGGGGCAGGCATGTTTGGTAGTGGG
CTCTCCAGCCCTAGAAGCATGCACGCAGAGCCTCTGTAGGACTTTTTTTTTTCTTTTTTTT
AAGACAGAGTCTTGCTCTGTCGCCCAGGCTGGAGTGCAATGGCGCAATCTCGGCTCACTT
CAGCCTCCACCTCTCGGGTTCAGGCGGTTCTCCTGCCTCAGCCTCCCGAGTGGCTGGGAT
TACTAGGCACCTGCCACCACACCTGGCTAATTTTTTTTTTTGTATTTTTAGTAGAGACAGT
GTTTCGCCATGTTGGCCAGGCTGGCCTCGAACTCCTGACCTCGGGTGGNCCGCCTGTCTC
GGCCTNCCAAAGTGCTGGGATTACAAC
Sequence 3159
ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGAG
ACTCATTAAAGCTCCTAAATGTATACATATGTATCAGAAAGGAATGTGAACTATTAAGGA
AACTTGGTAGACAATGAAAGAATTTGGAAATCTGAAGGCTTTAAGAGGCAGAGTTGTAGA
TCAACCCCTCATACCAAATAATCAACTCCAAAGTAAAACTTTGAATATAAACTAACTGCA
AAAGAAACCTTCGCGATATGTAATAAGATGGCACACGCTGTGCTTCTGAGGACATGTGTG
GATGCCTCCCCCACGTCCT
Sequence 3160
ATCCGGCGAATTGTTTTCTCNCCNCGGCGGCCGGCCGCCCGGGCAGGTANTTGGAGTGCT
GTGTTGAGTCCTTTTTTNTTNTTTTGTTCCTGAGAAAGAGAGATTCACAAACTTCCCACAT

Table 1

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TCTTCCAGTGGCATCTAAGGATCCCTTCCTAAATGGCCTTTCTCCCAGCCAATAGACTGA
AGCAAACCATGTCCCTGATGCTTCCTGCCCACCACCATCCATTCTTTCAACCAACAGCTT
CTCCGGGCTTTCACGTGCCATGCACTTTGCTAAGAGCTTGAGGGAAATACAGCAATGAAG
AAGAGATGATTTCTGTTTGGACCAGTGCTCAGGGATTCCTCCTATTAGAAATCAAAGAGG
CTTCCAAAAGCCCTACAATTTTTTCCCTGTAACTAAAGAAAATAGCTTCTCAATGTAACT
AAATTTTATCTCATACGCAAATTGGAA
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Sequence 3161
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CTATCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAT
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AGAGCTAGGATTTACACCCAGCAGTCAGCTTTATTTTCAACCATGCAATGCCTCCTTAAC
AAAGGAGATAGGTTAGGAAAGGCAGATCTGGGCAAGTGTTGTATTATACAACAATAAAAA
GGCTGTGGGGTCAAAAGCTATGGCTGTTAAAAGGTTAGGGTAACAGCCAGAAGAATCACC
CTTAGGAAGGTTAAAATTTAGGACAACATCTATGATCCTTCCCAAACCTTAAATCTTCAT
GCTTTTAAAAAGAATTTCCTGCCCAGGCGTGGTGGCTCACGCCTGTAATCCCAGCACTTT
GGGAGGGGGAGGCGGG
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Sequence 3162
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ATCCGGCGAATTGTTTCTCCCCGCGGCGGCGGCCGAGGTACAGGGGTGNGAGAAAGAATG
CTNGAAAGGGCAGCCTTTNNAGTGTTTTATCCTAAGACCATCTAAACGTGAAGGAAGTCC
ATTCCAGCTAGTGAGGAGGTGCCTAACACAGTGGTTTCAAGCCTGACTGACCACAGAGTT
ACCTTGGTAGCATATTAAAGGTCCTCATTCCTACATCTCACCCTAGAGCACCTGTTTTCA
ACCTTAGATGCACAGTNGAATTAACTGAGAAACTTTTAAAGCCATCATTATCCAGGCCCA
AATGCAGTATTGNTAAATCAGAATTTCTGGGGATGTTGCTCAGGCATCTTTTTTAAATTT
AATTCCCTGGGTATACCAAGGATTGAAACTTGGACACTCTATATACTGGAATCAAA
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Sequence 3163
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CCGGGCAAGGTACTCTGCGTTGTTACCACTGCTTCCCGGGACTCTGCGTTGTTACCACTG
CTTCCCGGGACTCTGCGTTGTTACCACTGCTTCCCGGGACTCTGCGTTGTTACCACTGCT
TCCCGGGACTCTGCGTTGTTACCACTGCTTCCCGGGACTCTGTGTTGTTACCACTGCTTC
CCGGGACTCTGCGTTGTTACCACTGCTTCCCGGGACTCTGCGTTGTACCT
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Sequence 3164
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GCGGTGGCGGCCGCCCGGGCAGGTACCTGGAAAGATGAACANGATTGCAGCAGATTNAGA
CAGGTANAAGGAGAGAGATTCCAAGTGGAAGGATAAAGGAGAGGGAAGAGAAGCAAAGAG
TGCAGCTTCCAAGAAGATTTTCTGGTTTCTGGCACTGGTCANAGATAGCTTGGGAGGAAA
TAGGCANANAGGGTTTTGGAGAAACAGAGCTGCAAAGCCAAGTTAGATGTTAGGTGAGTT
GAAAAAAGAACTTATGGCAAAGCAGAGGGAGGGAGGTATTTACTCTGAACAGAGATGAC
AGGGTGGGGAGGACAGATTGTTTTGAGTAGGCAAAGGCCAGGAGCATGAAGCAAGCTAGG
AATTGGGAGGCTGGCCTAGAANCATGCNCCANCTGGGAAAGGGACA
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Sequence 3165
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CCGGGCAGGTACCACATCCCTGTCATTCAACAACTTCCCCTTCCAAGAGGGTGCTGATCA
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TTATAACAAGAGACTGCAGATATCGCTACAGAAAGAATACCGGTTGTATGTTTCCTGAAT
TATTACTAAAAACATTTGTTTAAATGTCTCATATATAAAGGTGATGGCCTTATCTCTGAC
AATGAATTAGGGCCTAAGGAGAAAGCAAATTGGAACACTGTTAACATTAAAAAGTCAGCT
AGTCTTTGAAATACCATTATAATACTACCTTGGAAGATACAGCAACTCAAATCTTGTTC
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Sequence 3166
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AGGTACTCTTGGTTTTTTAAGACAAAGAGCAAATCCTCCCCTGCCAGGATTGACTTTTGG
CTCTTTTTTTTCAAACCTCACTGCTTTTTGGTTTAGTTGTCATAAAATGCCAAGCACCAT
GAACAGGGCTCCATGAAGGGGCTCAGAGGTAGGAGGGCTGTGATTAGGAGAAGGCTTGGA
CTGATGGGCNATTTGAGTGCTCAGAATTAGAGTGAGGGGGTGGGGGTGCTGCAGGGACAG
ATGCTGGGGAAAGACACCCTGAAGGGCAAAGGGAGCAACAATGGCTGCAGTACCTGCCCG
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Table 1

Sequence 3167
AGGTACGCAACATGACATTGGCTGGTGTAAAGATCTTACAATTATTTTTAAAGTTTCATT
GTATTCATTTGATTATATAGTTTCTTGCCATCACAACAAACACTCCTATTCATGTCTAAT
TCGATACCTGGTGAGTCCACATAAGCATTTGGGTCCCCACTGATGAGAGCACCATGGCCA
GGTCACCCACTTGATCAGGTTCTCTTGCTTTTTGTTGTGCATCTCATCTTACCCGCGTAC
CTGCCCGGGCGGCCG

Sequence 3168
GGGAGGAGCTGCCTTGAGCGAGAGGACACTGTCCTGGAGGTGACAGAGAGCAACACCACA
TCAGTGGTGGATGGGGATAAACGGGTGAAACGGCGGCTGCTCATGGAAACGTGTGCTGTC
AACAATGGAGGCTGTGACCGCACCTGTAAGGATACTTGGGNAGGTGTCCACTGCAGTTGT
CCTGTTGGATTCACTCTCCAGTTGGATGGGAAGACATGTAAAGATATTGATGAGTGCCAG
ACCCGCAATGGAGGTTGTGATCATTTCTGCAAAAACATCGTGGGCAGTTTTGACTGCGGC
TGCAAGAAAGGATTTAAATTATTAACAGATGAGAAGTCTTGCCAAGATGTGGATGAGTGC
TCTTTGGATAGGACCTGTGACCACAGCTGCATCAACCACCCTGGCACATTTTCTTGTTGC
TTGCAACCCAAGGGTACCTCGCCGCTTTAGAACTANTGGATnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnnnnnnnnnnnnnnCNTCNACCTCNAGGGGGGGGGCCCCNGTACCCCANCTT
TTNTTNCCTTTTANTGANGGTTAATTGCNCCCCTTG

Sequence 3169
CCGGGCAGGTACTCACAGCTGCATCANGNTGAATATCATCTCCCTGCACTGCCATTTCAT
TTGAGCAGGGCTTTGCCTGTCAAGAACATTCATATCTTTTGATAAACAGTGCATTTTTTC
CCTGATAGTCTGTATGGGACAGCCTCCTTGTTTGCATCTGAAGGACAGGGACTTCAGGAC
CTCCNGNTGTGGTCACCAAGGAATCACATTCAAACTTCTCAGCAAGGTGTTATGGTCCTT
CTCAGTTTGCCTACGATCCATTGAGGCAAAGGTTTCCTTCTCTCAATACACCCTCTGCTT
TAGCCAGGGGGACCTCCCACTGTCCTCTCTATGTGTTCTATTTGTTCCTGACTGTTAGTA
CCT

Sequence 3170
AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGGGTGGAGTCTTGCTCTGTCTCCCANGC
TGGAGTGCAGTGCTGCTATCTTGGCTCACTGCAAGCTCCACCTCCTGGGTTCACACCATT
CTCCTGTCTCAGCCTCCCGAGTAGCTGGGACTACAGGTGCCCGCCACCACACCCGACTAA
TTTTTTGTATTTTTTAGTAGAGACGGGGGTTTCACCATGTTAGCCAGGATGGTGTTGATCTC
CTGACCTNATGATCTGCCTGTTTCAGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCA
CCATGCCTGGCCTCTCACATGCCTTTTACTCCTTTGTGGTTGCTGCTCATCTTTCAACTT
TCCTTTCTAATTTGTCAAATGTTTTCCTATTTCCAGCTTCATTAGAAGCTGTAGCATCTT
TGCATATTTCCTGTTAACAATTGGCTTGGTCTATTTCTCTGTAGAACACCCAGAGTCCTG
AAAGTAGTAAAGACCTTGGCCTTGAAGCAGGAGACCAGGGTTCAAGTTTCATTTCTGTCA
TTTATGAGATGGGTAGCACAGGAAAGTTGCATCTCTATTTTANGCTTAATTTTCTTACCT
GTAAA

Sequence 3171
CACTTAATCAACAAAAACAAAAACACTCATTTCTGAACATTCAGTGCATTCATGATTAAT
CTTAATTACACCACAAAGGTATTTTTTCAATGGTGATTTTGCGGGAGTGGGGTAACAGTTT
CGAAAGCAACATTGTCAGAAACATAGTTGATTTTAAAGGTTCTTTCTGGTGACTTTGACT
TCTGCTTTTTTTAGAAGACCTTACACAGAGTTGTATTTATTTCTCCTGGAATATTTCAAGC
AATTCAGAGTGAAAGGGTATACATTCCAATTTGCGTATGAGATAAAATTTAGTTACATTG
AGAAGCTATTTTCTTTAGTTACAGGGAAAAAATTGTAGGGCTTTTGGAAGCCTCTTTGAT
TTCTAATAGGAGGAATCCCTGAGCACTGGTCCAAACAGAAATCATCTCTTCTTCATTGCT
GNATTTCCCTCAAGCTCTTAGCAAAGTGCATGGCACGTGAAAGCCCGGAGAAGCTGTTGG
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GGCTGGGAGAAAGGCCATTTAGGAAG

Table 1

Sequence 3172
CGAGCGGCCGCCCGGGCAGGTACGCGGGAGACTGAGTGGGGTCACAGCACAGGGCACTGT
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CCTTTGTGCAGAAAGAGAAAGAAGAGCCTTGAGGACCAGCCTAGTCAGGCTGAAGAAATG
TCAACAATTGGGAGTTTTGAAGGATTCCAGGCTGCGTCTCTGAAGCAAGAGGGAGATGAC
CAACCCTCTGAGACTGACCACCTATCGATGGAGGAAGAGGACCCGATGCCAAGACAGATT
TCAAGGCAGTCAAGTGTGACCGAATCAACTCTTTACCCCAATCCTTATCATCAGCCTTAT
ATCTCACGGAAGTACTTTGCTACA
Sequence 3173
CCGGGCAGGTACAGATGCAAAAACTCANNTCCACAAATGTCCCGTGGCTTATCTAAAGCT
ACACAGCTAGAAAGTGTCAGGACGGGAATGAAACACAGAGAGTGACCTGTCTCTGCGCCT
GTGCCCTGTCCATACTTTCTGTCCCCAAGAGAGCAACACCATAGATCCAAACCAAAACCC
CAAAAAGNNNAACTCTAGGAAATGCACAGGCTCCACTTCACTCCCAGGAGATTCCTATGG
ATCTATGGAAGAAAATGAGGCANTGACCGAGGAATTTAAACTCTGGGGTGAAATCATTTC
CTCCCAATTATTCTTCGTCTAATGACAAAGATGCACCACTAAAAAAGTGACCTATGCCCT
CTAACANTCTGAGAAGATCTGAGTCACATGGCAATTCTATTTGTAACATTACAAGATTAT
AGAGGCCAGTTTTCCCTTCCTCCTCATTTTCTTCTCCCCCATGACATTTTTAGAAAGTCA
CNTTCATTTATTTTATCATTAGCTATATGCCTTAACCCCTGGCC
Sequence 3174
AGGACAGAGGGTCTGCAATCATGGTGCAGCCACAAGTAAAATATGAGTAGTATTTATGCT
TTTCTACACTCTCATATGTATTGCCCAGCTTATTTACTTATTTACCTGTTTACTTATTAA
AACCAACCCCCACCTTCAGTGGATGAATATTTGCCAACTCAAATGACAGTAAAAAACGGT
GCAGNGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCTGAGACAGGCAGATGGCTTGG
GGCCGGGAGTTTGCGACCAGCCTGGCCAACATGGTGAAAACCAGTCTCTACTGAAATTAC
AAAAAGTAGCCGGGCATGGTGCCACATGCCTGTAATCCCAGCTACCTCGGAAGGCTGGGG
CACGAGAATTGCTTGAACCCAGGAGGCAGAGGTTGCAATGAGCTGAGATTGCACCACTGC
ACTCCAGCCTGGGTGACAGAGTATGACTCTGCCAAAAAAAAAAAAAAAAAAAAGAGTAGAA
GGANTTATAGCCCNCAGAATTTTCCAGGGCAATTCCAGAGGAGACCCAACAACTGTTAGG
GACTATGCCCCTATTGNTAAAATGTNTATATAACCTCTGAGGCTGATGACTTTGAGAACA
CCTACACTGACTTGAAAATTCA
Sequence 3175
AGGTACCCATCAGGAATATCCGGCTCAGAAGCCAGGGCCTCAGAGACTGTTCTCTCACTG
AGACCTAGAGAGGGAACTCCCTGTGTTATTCTCACTGATGGCCCAGGAACCACCCTTGCA
AGTCATGACCACCAGCATCATGTAGCACTGGAACTGATCTGGGCAATGACCTCTGTCTAA
ACTTCTGAATCCCCTCCGACAAAGACCCAAGACAGCAGCATGGCCATGCAGCTGTGCTCA.
CATCCCACCCCTGCACTGGCCAGGAGCACATCTATCTTTCCTTTGGGTAGGGTCACCCAA
CTGCTCTGCCACTTCCAGCTGTGAAAGGCATCTATGTGACAGACCCCTCTGCAGTTTGAA
ACTGTGTGACAACTTTAACACCCAACTCGGCATCTGCATGGGTTTCTGAGAATTACCTAT
ATCTTTTGTGGTCTCTTTGCTGATTCCCTGTTTCATTAAAAAAAAAAAAAAAGTGACTCGTG
ATCCCTGAGTTCCTATATAGCCAATTTTACTCACTAGCTAAAGAAACACTGTATTTAAAA
TGACAAACCTAGCAACAATTAGGCAAGCTCTCATCAGGACTCCATGCAGGGCTGNGTGAT
TGCCTAAAAAAGTCT
Sequence 3176
AGGTACATATACCAACTGTCAGTCTGTGGTAACGTAACCTTAGACGCTGCCTGACCACAA
AGTTTGGAAATTATATTTAACCAAAAGAAAATAAATAAATACAGCAGGTTACCTTGTGAA
GAAATGCCATGTGTTCTAAACAAATTAAACCCACGGTCTGACATTTGTATCCATCTATGC
TTTTGAATTGAGGGGATTCCTTTAGTTATAATGTGCCAAGTGAGATTAGTAACCAACAGG
AGGCTTAGAAAAGCAAATCCATACTGGTTCATCACACACAAGAAAGAAATACCTGGCTAA
AATGAAATCACTACAGAAGCATCGAGGACATTGTTTTTTTAAAAT

Table 1

Sequence 3177
CCGGGCAGGTACGCGGGAGACTAGAGGGAATTGCACCTCCTCACTGCACAAGATTAGCTA
ATGCGGGTGAAGCTATTGGAGTGCTTCTGAAGAAATCAAAATTTTGTTATTATGATTATA
CTTGTTAGATATTTCTTTCTTGAGATTCTAAATGAATTTGTTTAATGCCTTATTGGTCCA
TTCCTGCATCTCTGCTTCCAGAAGCCAAGAACAAGTTCTCTGGATCACATAGGCTCCTCT
GCTGCTTCCTCAGAAACAGAGATGGTACCT

Sequence 3178
AGGTACGCGGGGCACCGGGCACTGTTCTAAGCCCTGGAGATACATCAGTGAGCCAGATAG
ACACATTTCTTGCTTTCATGGAACTTAAATAGTATATGTAATCAACCTGTTTTTCCATTT
TTTAGAACAATGAAGAGTAGGGCAGGAGTGGAATGAGGGTCAAAAGTAAGCCTTGGAGTC
CTGCCCCAAAGTTTTCTAATTAGATTATGAAGGAAAGACCTTATGCAACTAAATTACCCA
TTTGGGTCAGGTGTAGTGGCTCATGCCTGTAATCTCAGCACTTTGGGAGGTCAAGGCAGG
AGATCACTTGAGGCCAGGAGTTCAAGACCAGCCTGGCAAACATAGGGAGACCTCATCTCT
ATAACAAATTTAAAAATTGGTAGGGCATAATGATGTGCACCTGTGGTCCCAGCTACTCAG
GAGGCTGAGGTAGGAGGATCATTTGAGACTGGGAAGTCGAGGCTGCAGTGAGCTGTGATC
GCGCCACCGCACTCCANCCTGAGAGACAAAGGGTCATTTTGTGTCCTATTGATATTTGTA
ATAATTAATGGTCTTGTTGCCCCTTAGGGNTGCTTNCTTTTT

Sequence 3179
AGGTACTCACAGCTGCATCACACTGAATATCATCTCCCTGCACTGCCATTTCATTTGAGC
AGGGCTTTGCCTGTCAAGAACATTCATATCTTTTGATAAACAGTGCATTTTTTCCCTGAT
AGTCTGTATGGGACAGCCTCCTTGTTTGCATCTGAAGGACAGGGACTTCAGGACCTCCTG
CTGTGGTCACCAAGGAATCACATTCAAACTTCTCAGCAAGGTGTTATGGTCCTTCTCAGT
TTGCCTACGATCCATTGAGGCAAAGGTTTCCTTCTCTCAATACACCCTCTGCTTTAGCCA
GGGGGACCTCCCACTGTCCTCTCTATGTGTTCTATTTGTTCCTGACTGTTAGTACCTGCC
CG

Sequence 3180
CCGGGCAGGTACCTTGCCCTGAGGAACCTACAAGTTAGCCTCCCTCTAATCCTGGCATTC
AAAGTCCTCCACCTTCCGAATTACACCTGTTTTTTCAGGCATTGTCTCCCACTTTCCTAG
CAAGCCTTTGGCTCCAGGAAACTGTTCTGTTCATTGACGACAGAATGTATTTTGTCCCGT
ATGCCTCCCTTCAATCTGAAGTTCATTTTTAGTAATTTTTTTTATTAGCAGTGACTTTCC
CCATTTACTAATGCCTTTCTCTTTAGCTCATTTAGAATTCCCTGGAAGTCATCATGTTTT
CCTTCTGAATTGCTATCATATTCTGTCTCTGTGTCTAATCAGAAAGTTAGGTGAGCTGCT
GTCTCAGCTCCTGTGTTAATCCAGGTACCT

Sequence 3181
AGGACTAGCTCCCTTACTTACTAATCATAGAACTGTGGATATATTTTTAAAAATTATTAG
TGTCTTTAGTTTTCTCACTTGTAAAACACTGAACAGAGCTCCTGTCATTCAGAGCTGTTG
TCAACATGACAGTTAAGAGTGTAAAGCACTGACCTGGGGCCTGCATGTAGTAGGCACTCA
ATAAATCGTGGCAATCATGACATTGGTGATGATGACACTCAGTAACTAGTAGGTGTTATT
ATTAAAAGTCGCAAAAACAGCTAGTACCTGCCCG

Sequence 3182
CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGTCTACGTGGTGGTTGGAGCTGCCAAGG
GCACCCAACCTGGTCAACAAATTAGTGTGCTCAGCCAGAGGCAGTCCTGGATGAATTCAG
GCTGCAAAGTGCCCTGTGACCTGGCCCTTGGGAAGCCACGCTCTGATGAGGTTTGCAGAT
CTCCCCGCAATCCAGGGCCAAGCATGAATGAAGGTGTTAGGCATTTCAAGGATGCGACTA
GGACGTGCTGCTGTCTCAGGTTCACATTATACTGAAATAAGGTCCTGGCCAGACAGCACC
ATATAGTTAATTGAGGTGTTTGGGAGATACTCAAATGGGTGTTAATATTTCCCAGGCAAT
ATTTTCAAGGCTCAGAGCCTCTATTCAAAAGATAACTGAAAGGCTAGCAAAGGGTATTGC
AAAGGTATATTCTGATTTCTGACAGGAAGATCGATGGATGGACAGTGAGAGTATAAAGAC
CTTAGGGTTTGGGGTTCTGATTTGGCCTTGGTCTGTTGAATGATTGATTCATTCATTCAA

Table 1

CAAATATTTATACAACACCCACAGGGGGCAG
Sequence 3183
CCGGGCAGGTACTTAGCACATGCCAGGAACTGTTCTAAACCCCTTCTGTGCGTTAGCCCA
TTTAATCCTCATAGTAACTCAGTGCTATCTCTGATATCCCTGTGTTACAGTTGAGGGAAC
TGAAGTATAGAGAAGGTTGAGCAATGGCATGCAGGGCATAGAGAAGGGTAAGGACGACTG
TAAACAGGTCAAGAAGTGGAAGGTCAGATAATTTACCCTGATTGCACAACTGGTAAGTAG
TGGTACCAGATTGAGGCTCAAGTCTTCACTCTCACAGCAGGGTACTTTCTGCAACTTCAG
TTTCTTATTACCATTTCTGCCACTAGCATGCAGAAGACGCTAGATGATTATTGAATCAGT
GAGTTTCTCATAGGTAAGATGGAAATGATTCTTAGTAGGGTTTTGTGAGAATAAAATTGG
AAATTGTACATTTCTTTAACATATTTTGGGTAGTAATAGCTATTATGATGCTAGTGGATA
ACACAAGAGTTCAAAGGTGACCAGTTAGATGTGGAGGAGGGAAAGAGTTGTGTAAAAGAT
GATGAGTGTTCTAGCCTGAT
Sequence 3184
AGGTACGCGGGGAGACTAGAGGGAATTGCACCTCCTCACTGCACAAGATTAGCTAATGCG
GAAGCCAAGAACAAGTTCTCTGGATCACATAGGCTCCTCTGCTGCTTCCTCAGAAACAGA
GATGGTACCTGCCCG
Sequence 3185
CGGCCGCCCGGGCAGGTACAGAAAGAGGTTTGTCTGACTTAAAGTGATTTGTCATCTTTC
TTTTCCACTCTCCTAATCATGATCTGTTCCCCCTCCTGGCCCAATAACTTAATGCTTGTA
AACTGAGGTCCACCCATTTATGGAAAACTCTTTAGTCACAGAGTTCCCTAACACCCTCCT
CTGTCCCTGTGACAATGTATTGAAAATAACAGTTGAAGCCCCTCTAGAGGGTGGTCCAAG
TTGACTAAATGGGTAGCAGTGAACAGCATTAAAAGGAAAGAAATAAAATAACACACAGA
AAATGTCATAGAGCAACATACAGCAAAGATAGTTTTTATAAAAGTGGTTTTTAATTACA
CATATGCCATATTTCACTGAATCACAGTCATCATTTATTGGAAAATGCAAAACTTTATGT
ATCACCCAGAANGAAAAAAANNNNNNNNNNNNNNNNNNNNNNNNNNNGTCCCT
Sequence 3186
TGCCTTGTAGCGGCAGCCGGGTCGGGAACAAGGTGTAGTTCTGGTTGCCGTCGCCAGCCA
CGCCGTCCGCCGTGCCGCCGGCTGTGCCCGCGCCGGCGGGCTGGCCGTACAGCGCGGGCG
GCCCGGCCGCGTAGATGCCGTCCGCGCCCGTGATCTGGTCCACGCCGTACACCACCACGG
CGCCAGCGGCAAAGGCCGGCCCCAGGGTGGTCAGCAGCTGCTGTCGCATGGTGGCGGCCG
CGCTGAAGCGCGTGGCTTCGTCCGCCGCGCTGCTGCTGAGCACGGGACTGACCGTGGCGC
TGATGGCGTCGGCCAGCGTCTGTTTCGCCT
Sequence 3187
CCGGGCAGGTACCTTGCCCTGAGGAACCTACAAGTTAGCCTCCCTCTAATCCTGGCATTC
AAAGTCCTCCACCTTCCGAATTACACCTGTNTTTTCAGGCATTGTCTCCCACTTTCCTAN
CAAGCCTTTGGC
Sequence 3188
CCGGGCAGGTACCAGCACGTGCAGAAAAGAAAGAGTCTCCGCTTGTCTTTGTCTGATTCT
CCTGTCCTCTCCATGGAAGTTACATTTTCTGTAAAGGATGAGCTGAAAATTCTCCTGGTC
GTTGCCAGTTGAACTTCTGCTGTGCTCTGGGAAGGCATTCTCACTCTGTTTATGTTGTCT
AAAGTGCAGACATGGATGTGCAGGTTTGCTAGAACCTCCTGAGGATGTGCAA
Sequence 3189
CCGGGCAGGTACACAGCACCCCCTGGAGTTGGCAATGCGGAGGCTCTGGCTGTTGATCCC
AAAGAAGATTTAAATTGCAGTCCATTATATTTTTCTCTCAGACTTCTGTTTCTTTGAATA
TTCCAAATAGATTAAAAATATAATCTGGAATCTTAAGTGCCTTAGTCCTATTTAGGTAACA
ATACTATCTAAGAAAAACTCTAGAAGAATTCACAACAAATTGCTAACTATAGTTATCTCT
GGCAGAGGAAGTAGCATGGGAAAGGCGTGGGAAAATTTTTTACTTTGACTTTTTTTTCAC
CTGGTGTCCTnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnGCCCGGTACnnnnnnnnnnnnnnnnnnn

Table 1

nnnnnnnnnnnnnnnnnnnnCGCTTGGGCGTAATCATTGGGTCATAGCTGTTTCCTGTGTG
GAAATTGNTATCCGCTTCCAATTTCCACACAACATTACGAGCCGGGAGCCATAAAGTGTA
AAAGCCCTGGGGGTGCCCTAATGNGGTGAGCCTAACTCACATTTAAATTGG
Sequence 3190
CCGGGCAGGTACGCGGGGGAGATGCTGCCACCTAGGTTACTTGTAGGACCCTATACGGTA
ACCTCCTTTGCCAGGAACCTATTTATAAACATCCTGCAGGAAAATGCAGTGAAGTAGAAG
AGACAGGGATATCCCAGTAAGGTTATCGCNAAACATCAAGAGAAGATGAGAGGAGTCTAT
ATGTCAGANTACACATTTCCCACCTTGNCCAACAGTAGAAAGAANAAAAAANAAAAAANNA
AGGTNCCCTGnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnNGCTGCCAGGATTTCAATATA
CAAAGCTTAATCGATAACCCGTNCGACCTCCGAGGGGGGGGGCCGGGTTCCCAGCTTTTT
GTTTCCCTTTANNNGAGGGGTTAATTAGCC
Sequence 3191
AGGTACAGGGGTGGGAGAAAGAATGCTGGAAAGGGCAGCCCTGAAGTGTTTTATCCTAAG
ACCATCTAAACCGTGAAGGAAGTCCATTCCAGCTAGGTGAGGAGGTGCCCTAACACAGTG
GTTTCAAGCCTGACTGGCCACAGAGTTACCTTGGG
Sequence 3192
AGGTACAGGGGTGGGAGAAAGAATGCTGGAAAGGGCAGCCCTGAAGTGTTTTATCCTAAG
ACCATCTAAACGTGAAGGAAGTCCATTCCAGCTAGTGAGGAGGTGCCTAACACAGTGGTT
TCAAGCCTGACTGACCACAGAGTTACCTTGGTAGCATATTAAAGTCCTCATTCCTACATC
TCACCCTANAGCACCTGTTTTCAACCTTAGATGCACAGTAGAATTAACTGAGAAACTTTT
AAAGCCATCATTATCCAGGCCCAAATGCAGTATTGTTAAATCAGAATTTCTGGGGATGTT
GCTCAGGCATCTTTTTTAAATNTAATTCCCTGGGTATACCAAGATTGAAACTTGACACTC
TATATACTGAATCAAAAGCTCCATGGGCAAGGTGTAGGAATCTGTATTTTTTAATTACCA
TCTCCCAAATCTACTTAGTTTTGTGGAGCAGCGTTTGAAATGGACTTGTGACAGGTATGG
ATGAAGTGAACAAGAGACAGTANAAATCANGCGTGGTGGGGAATTGAAAGAAATGGCAGT
GGCAGTGGTTCCAGTTTAGAGATTCTNAAGANGCTCAAGATGGANCCCTCANAGACTTTC
ANTGGTTT
Sequence 3193
CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTGGAGTCTTTAAGATTATCTCTATGTTGG
CTGGCTGCGGTGGCTCATGCCTGTAATCCCAGCACTTTGGGAGGCCAAAGCGGGAGGCCA
ACACTGGGGCTACCCAAGAGTTGACCAAAGGTGATATTAATACATATGCTTACTTATTAC
CTTGTTCGCACAGTTCTAGTGTAAGTCTTGAAAATCAAGTAAATTTGGAAACATAGTTGC
ACAAACTCTCTCATGAGTCACACAGTTAATCCAGAATATTATTTCTAAGTTATCATAAAG
CCAACAAGCAAATATGATGTACCT
Sequence 3194
AGGTACCATCTCTGTTTCTGAGGAAGCAGCAGAGGAGCCTATGTGATCCANAGAACTTGT
TCTTGGCTTCTGGAAGCAGAGATGCANGAATGGACCAATAAGGCATTAAACAAATTCATT
TANAATCTCAAGAAAGAAATATCTAACAGTATAATCATAATAACAAAATTTTGATTTCTT
CAGAAGCACTCCAATAGCTTCACCCGCATTAGCTAATCTTGTGCAGTGAGGAGGTGCAAT
TCCCTCTAGTCTCCCGCGTACCTGCCCG
Sequence 3195
ACCTTGGCGCCAAGCCGCGCCAGACCTTCATGCAAGTGATTTTGCCGCTGTCGGTGCCGG
GGATTGCGGCGGGTTCGATCTTTACGTTCTCGCTGACCCTGGGGGGACTTCATCGTGCCGC
AGCTGGTGGGCCCCGCCGGGTTACTTCGTCGGCGGTATGGTCTACGCGCAACAAGGCGCT
ATCGGCAACATGCCCATGGCCGCTGCATTCACCTTGGTGCCAATCGTGCTGATCGCGGTT
TACCTGTCCATCGTCAAACGTCTGGGGGGCCTTCGATGCACTCTGAAAAAGCTTCGTGGAG
TCTAAAAATCGCGGCCTGGGGCCGGGTTGGTTTTCCTGCACTTCCCGATCCTGATCATCT
TTCCTCTACGCCTTCAACACCGAAGAAAGCGGNGTTCAGCTTTTCCACCCCAGGGCTTNA
CCCCTGAAGTGGTTTCAGCGTGGCCTTCTCGCGGCCGGACGTGCTGGAAGCCATCAAAGC

Table 1

TGTCGCTGNAAATCGCCGNCATCGCCACGCTGATTGCGATGGTACTCGGCACCCTGGCGT
CGGCGGCGTTGTATCGCCCGGGAGTTCTTCGGCAAGCA
Sequence 3196
AGGTACCAGTAAATGCTGCCTCATCACCTACACCCTTGGTTTACTTCTCAGATAAACTCA
GGAAGTTTAAATGGCATTCTGAGAATCTGTAGCTGCAACATAGTGAGCCCAGGAGTCCCG
GTCCAGCAGCTAGTATTAAATTCTCTGTTGCTAGCTTGGACCTCTCTCGATATCTAGGAA
TTGTCTGCAGTGTGGGGTGGCACAGTAACAACCATTTGTTTCTCAACAAGAATCTGATAA
TGTTGCTTGAACCTCCTGAACCAGTGCTGCATGCTCTGCTTCTTCATATGTTTGTCCTTA
GATTTGACCAAAAACAATAACTGATAATGTAATACAGATTCCCCAGCTCCCTGTGAGCTG
GGTTGAGCCCAGGAAGTCTGTACCTGCCCG
Sequence 3197
AGGTACAGGGAACTATTGGAGCACCTAAGAGGAGCACCTACCTTGAATTTAGGGGTTAGC
AGAGGCATCCTGAAAAAAGTCAAAGCTAAGCCACAATCTATAAGCAGTTTAGGAATTAGC
AGAACCGTGCCGTGGTGAGGAGATGCCAAAGGCAAGAAGAGAAGAGTATTCCAAACAGGA
GGGATTCCAAAGAGAGAAGAGTATCCCAAACAACATTTGCACAAACCTGATGGGGAGAGA
GAATGTGGGGTGGGGATGGATGATGAGACTGAAGAAGAAAGCCAGGTCTAGATNATCAG
NGGCCTNGTCCTGCCCGGGCGGNCGCTCTAGAACTAGTGGAT
Sequence 3198
CCGGGCCGGTACTAACAGTCAGGAACAAATAGAACACATAGAGAGGACAGTGGGAGGTCC
CCCTGGCTAAAGCAGAGGGTGTATTGAGAGAAGGAAACCTTTGCCTCAATGGATCGTAGG
CAAACTGAGAAGGACCATAACACCTTGCTGAGAAGTTTGAATGTGATTCCTTNTTNACCA
CAGCAGGAGGTCCTGAAGTCCCTGTCCTTCAGATGCAAACAAGGAGGCTGTCCCATACAG
ACTATCAGGGAAAAAATGCACTGTTTATCAAAAGATATGAATGTTCTTGACAGGCAAAGC
CCTGCTCAAATGAAATGGCAGTGCAGGGAGATGATATTCAGTGTGATGCAGCTGTGAGTA
CCT
Sequence 3199
TCACTGNCCGCTTTCCNAGTCCGGGAAACCTGTCGTGCCAGCCTGGATTAATNAATCGCC
CANCGCCCCGGGGGAGAGGGCNGNTTTGCCGTTATTTGAGGCGCTNTTCCGCTTTCCTCG
CTTNANTTGACTTCGCTTGCGCTNCGGTCCGTNCGGGCTTGCGGGCGAAGC
Sequence 3200
AGGTACCAGTAAATGCTGCCTCATCACCTACACCCTTGGTTTACTTCTCAGATAAACTCA
GGAAGTTTAAATGGCATTCTGAGAATCTGTAGCTGCAACATAGTGAGCCCAGGAGTCCCG
GTCCAGCAGCTAGTATTAAATTCTCTGTTGCTAGCTTGGACCTCTCTCGATATCTAGGAA
TTGTCTGCAGTGTGGGGTGGCACAGTAACAACCATTTGTTTCTCAACAAGAATCTGATAA
TGTTGCTTGAACCTCCTGAACCAGTGCTGCATGCTCTGCTTCTTCATATGTTTGTCCTTA
GATTTGACCAAAAACAATAACTGATAATGTAATACAGATTCCCCAGCTCCCTGTGAGCTG
GGTTGAGCCCAGGAAGTCTGTACCTGCCCG
Sequence 3201
CCGGGCAGGTACCTGGATAATGGTGACTGAATGATTGATGGAACTGACTTTTTGCTTTCC
TTTTTTCTTTCTCCACTGGTGGCCCTATGTTCCTATTAAGAGAATCTTCCAGCCAGGCGT
GGTGGCACACGCCTGTAATCCCAGACTTTGGGAGACTGAGGCAGGCAGATCACGAGGTCA
GGAGATTGAGACCATCTTGGCTAACACGGTGAAACCCTCTCTCTACTAGAAATACAAAAA
ATTAGCCAGGTGTGGTGGCACGCGCCTGTGGTCCCAGCTACTCGGGAGGCTGAGGCAGGA
GAATCGCTTGGGCCGAGGAGGCGGAGGTTGCAGTGAGCCGAGATCCCGCCACTGCACTCC
AGCCTGGGTGACAGAGCAGGACTCTGTCTCAAAAAAAAAAAAATCTTTCTGCCTGTTTTT
TGAAATAGCCGCAGGAGTGAGGCAATCTCANCTCCTGCTCACACATCTTTTTGTAGAATT
TCCATCACAAAGAATGGNTATTAGAATCTCTACTCTTGGCCCAAAGNGTCTGNTNGCTTT
TCTNCCAATCANGA
Sequence 3202

Table 1

CCGGGCAGGTACTCTGCGTTGTTACCACTGCTTCCCGGGACTCTGCGTTGTTACCACTGC
TTCCCGGGACTCTGCGTTGTTACCACTGCTTCCCGGGACTCTGCGTTGTTACCACTGCTT
CCCGGGACTCTGCGTTGTCACCACTGCTTCCCGGGACTCTGCGTTGTTACCACTGCTTCC
CGGGACTCTGCGTTGTTACCACTGCTTCCCGGGACTCTGCGTTGTACCT
Sequence 3203
CCGGGCAGGTACCTTGAGTAACATTGGGAAGGACCACTCATTGAATGAACCATCAATCAA
ATGATACATACTGCATCCTTCCAGAAAACATCTCAAAGCACTTTGCAGATGTTAACATTA
AAGTTAAACTGAGTGTAAGGGAGCCTTACAAAATAGGCCAGCTTGAATGCCTTATCCAAA
AATGTAGAACTGCTTCAAGGCAGGTGTCAGTGTTTTAAAGAAATTGAAGCATCTTGGGTT
GAAAGAAAAATAAGAAAATCTCTATGGATGTAAAGATCATTCCCAGTTCAAAAGCTAANG
ATGGGCAGCANGGTCCGNGTCC
Sequence 3204
CCGGGCAGGTACGCGGGGGGGCAATAGTGAATGAATGGGACCATCTGCGTGGGTCCCTAC
ACGAGATGCTTGGAGGGGCTGGAGGTGGTGAGGGCTGCAGGAATGGCCTAAGGTTTGGAG
AAT
Sequence 3205
CCGGGCAGGTACCAGAGACTCCTATTTATTTATACCAGTAAGGGCCCTCCCACTGCCTTT
GTCTCCAGTAGGTCAGCTGCATCATCAGCTTTAAAAGCCCCCAAATATTGCTGAGCTTGC
TTTTTTAAAACTTCTCTTGCAAACTTTATAAATTTGTTTCAGAGCACTATAATAAAATAT
TTCTTGCAAACATGGACTATAAGTGCCAGAGACACTGGAGAAATCTGAGGGTGGGGAGAA
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GTGGTTTTGAGTGCTTCTCTCAGTGCAGGGTGAGCCAGGTTTCTCAGTGGCATTAGATAT
ATACTCCATGACATTGGGACTCCCCCCGCGTACCTN
Sequence 3206
AGGTACAAGGCATTTTTGCTAACTGTAACTTCCCACTTAATCAACAAAAACAAAAACACT
CATTTCTGAACATTCAGTGCATTCATGATTAATCTTAATTACACCACAAAGGTATTTTTC
AATGGGTGATTTTGCGGGAGTGGGGTAACAGTTTCGAAAGCAACATTGTCAGAAACATAG
TTGATTTTAAAGGTTCTTTCTGGTGACTTTGACTTCTGCTTTTTTAGAAGACCTTACACA
GAGTTGTATTTATTTCTCCCGGAATATTTCAAGCAATTCAGAGTGAAAGGGTATACATTC
CAATTTGCGTATGAGATAAAATTTAGTTACATTGAGAAGCTATTTTCTTTAGTTACAGGG
AAAAAATTGTAGGGCTTTTGGAAGCCTCTTTGATTTCTAATAGGAGGAATCCCTGAGCAC
TGGTCCAAACAGAAATCATCTCTTCTTCATTGCTGTATTTCCCTCAAGCTCTTAGCAAAG
TGCATGGCACGTGAAAGCCCGGAGAAGCTGTTGGTTGAAAGAATGGATGGTGGTGGGCAG
GAAGCATCAGGGACATGGTTTGCTTCAGTCTATTGGCTGGGANAAAGGCCATTTAGGAAG
G
Sequence 3207
CCGGGCAGGTACTTGGAATGCTGTGTGGAGTCCTTTTTCTACTTTTGTTCCTGAGAAAGA
GAGATTCACAAACTTCCCACATTCTTCCAGTGGCATCTAAGGATCCCTTCCTAAATGGCC
TTTCTCCCAGCCAATAGACTGAAGCAAACCATGTCCCTGATGCTTCCTGCCCACCACCAT
CCATTCTTTCAACCAACAGCTTCTCCGGGCTTTCACGTGCCATGCACTTTGCTAAGAGCT
TGAGGGAAATACAGCAATGAAGAAGAGATGATTTCTGTTTGGACCAGTGCTCAGGGATTC
CTCCTATTAGAAATCAAAGAGGCTTCCAAAAGCCCTACAATTTTTTCCCTGTAACTAAAG
AAAATAGCTTCTCAATGTAACTAAATTTTATCTCATACGCAAATTGGAATGTATACCCTT
TCACTCTGAATTGCTTGAAATATTCCAGGAGAAATAAATACAACTCTGTGTAAGGTCTTC
TAAAAAAGCAGAAGTCAAAGTCACCAGAAAGAACCTTTAAAATCAACTATGTTTCTGACA
ATGGTTGCTTTCGAAACTGTTACCCCACTCCCGCAAAATCACCATTGAAAAATA
Sequence 3208
CCGGGCAGGTACGCGGGATTTTTATACAATTAATGATATTCTCAATAGTAATCTTTGTGT
GTGTATATATATAGAAATAAATTCTAAATGTAAGTTAATATATTTATTATTTTTCTAAAC

Table 1

ATATATAAATATATATATGCACACAGGCTATTTAATTTTATTAGATGATGCTATTTTAAT
TCAGAAAAAAATGACATTTATATTTTGATTTAGGTTAGTATAAGCCCTTAGAGGTGTTTT
GACAACTCTCTTAATTTNGNGGTTTTTACTGTTTATTTNGATTTTATATAANCTAAAATA
CCATTGGTTTTTN
Sequence 3209
CCGGGCAGGTACCTAGCACCAAAACGTGTTTTGCCACATTATGAGGAGAAATTAAGACAC
ATGCAAATGGCCCAGAGTTTGGTGGTTTGGCAGTCACAAGGAGGAAAGAAATGTGTGACT
CCAATAAGAGTCCCTCTATAGTCATTTGGTTCCCTCGGCCCAGAAAGACAAAGGGGAGTT
TATTCAGAGTGACATAAAAGAAGGGTCGCACAAGCAAATCAGTGACGGGGCAAAGCATTG
ATGGTTTGAAGGAAAACATGCATTATCTTTTCTTAACGGTGTTCAATGAATTTCCTTTAT
TATTCATTACATTGGCCAACCAGCCTCTAAGGACTTTGGGCAGCCCAATGGAAGGCTCTC
AAAGGCCTTTGAGTTTAGCTTTTGGGCTTACGATGGTTTTTAATTAGCCACAGGGAGAAAA
AAAGCCATCCTGATGTGGGACTCCTGAAGTGCGTCCTACTGAAAGCCAAATGGAGAACTG
AGGAATGTCATCCTCTCCACCCAGTCATGTACCT
Sequence 3210
CCGGGCAGGTACGCGGGTCATCATCATAGTGAGCCCAGAGAGCCACTGCCCAGCAGCATG
CTCACACCACCTACCCTAGTGTAGGTAATAGGTCTACGCTAGGACCCCGTGCTGGGCTCT
CAGCCCATCATGAGATTTTGGTGGATTTAATGGCAGGTAGGAACTTATTTATAGTGGACT
GATAATTGCTTTATAATTCCTTGGTAATGACAGCTCAGGGAAGGTTTCACAAGGTCATGA
TCAGGAGACTTGAATTGTTACTGGATGTAGGAATTGTTTCACTGCTCTTAACTTGCTCAA
ACTGGGGCAGGTTCCAGGAACTTGAACTAAAAATATCTATTTAAGCCTNTCTCTCTTTCT
CTCCTCCCCAACTTTTTTCTGAAAGCCTTGATTTCTGCAGACAGAACTATGGTTTTTGGC
ATGTTGGGTCAAGACGTGTTTCTATAGGAAATGCTTGCACGTGGCACTTGGCTTGGTGAG
TCAAGCTTCCTGAGCTTCANACCGTTTGTCCTGTCATNTGTCCTGCCCA
Sequence 3211
CCGGGCAGGTACAAGGCCACTGATTATCTAGACCTGGCTTTCTTCTTCAGTCTCATCATC
CATCCCCACCCCACATTCTCTCTCCCCATCAGGTTTGTGCAAATGTTGTTTGGGATACTC
TTCTCTCTTTGGAATCCCTCCTGTTTGGAATACTCTTCTCTTCTTGCCTTTGGCATCTCC
TCACCACGCACGTTCTGCTAATTCCTAAAACTGCTTATAGATTGNGGGCTTAAGCTTTGA
CTTTTTTTCAAGGATGCCTCTGCTAACCCCCTAAAATTCAANGGTAGGTGCTCCTCTTAA
GGTGCTCCATAGTTCCCTGTACCT
Sequence 3212
AGGTACACACTGAGGACCTTTCATCCAGCACGTGTGGAGGCTCCTCGAGGGGACTCGGAG
TGAAGACAGACTTGGTCTCTGCCCCCTCGGGTCTTACAGTCAAGCTCCAGTTGAAGTGTG
GTCATTACTACAGTAAATGAAGCACAACCCATTATTATCTCTGCCTCAGGGGATCAAGAG
GAAGTTTCTAGAGTAGGAGACATTTCAATCAGGGCTTGGGGAGCCTGCCAAAGGGAATGA
GGGCACGTCCCACATGAAGCAAAGGCATCTGAGTTCATGGCCCCGCTGGGGATTGGCAGG
CATGAGTTGCAGCTGCAGGGCAATAAGCGTAGGGGAGTGAGTGGAGAAACCCAGGTGGGG

0

Sequence 3213
AGGTACACACAGTCAAAAGTTTTCCGTGACTGTGAAATCCAGTGCAATCTGCTTCCCAGC
AGATGAGGAGCCTGACGTGGTTATGTCTGGATTTAGTCCAAGAACAGAGCAAAGCTTTAA
TTGTCAAGAGACCCAGGCCTCATTCTCCACTTAGGAGAGTTTGCTAGGGCAGGTACCTGC
CCG
Sequence 3214
CCGGGCAGGTACGCGGGACAGCAGCCAGCCGGGACAGCCAAGTGGTTCGGAGAGAAATTG
CTAAAGCCCTTAGCAAAAGCTTTACGATGCACTCACTCACCATTCAGATGGAATCTCCAG
TTGACCAGGACCCCGACTGCCTTTTCTGTGAAGACCCCTGTGACTAGCTCAGTCACACCG
TCAGTTTCCCAAATTTGACAGGCCACCTTCAAACATGCTGCTATGCAGTTTCTGCATCAT

Table 1

AGAAAATAAGGAACCAAAGGAAGAAATTCATGTCATGGTGCAATGCATATTTTATCTATT
TATTTAGTTGCATTCACCATGAAGGAAGAGGCACTGAGATCCATCAATCAATTGGATTAT
A

Sequence 3215
AGGTACCTTGCCTTTGGTTACCCCTTCTCTCTTTACAAGGGCAGGGTAAAATATGGGGCTCA
GCTAGGCTGTGGGAATAGGGAATGGTGTGGGAGAAGCTTGGGCCTAGGAGCAACATCTGT
GGGACTCTTCCTTCTATGCCCTTCTGAATCTATTGAGAAGGATCAGCTAACTCTTTGGTG
CTATGCTATTAGAAACCCGGAATTAAAATAGAATATTTCTTAAAATGGAAGGGCTTGCAG
TTAACTCAGGTCTGTACCTGCCCGGCCGGCCGCTCTAGAnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnnnnnnnnnnCTTATCGATACCCGTCGACCTCAAGGGGGGCCCCGGACCC
ANCTTTTGGTTCCTTTAAGT

Sequence 3216
AGGTACATTTTTAGCTAGTTACCACATGGTGCCAAAACCCTGTAGCACTCCGTTAAGACC
ATCTGTTAAAATGGCTGTCAGGTATCATGTAGATAATTGACTGGTTTTCTCACCTTTTAA
TTAGTTATTTTGTCATTGTGTTGACGCAACTTAGGTGAAAGGTTTTTCTTTCCTAAGAAC
TCATAGGTCATTTGCACTTACTCAGTTACAAATGGCTATTTGGGGGGCACTGACGTCATG
AATGATTTCATCTTACAGGTCAGAGCTATCCTATCTCCCAAAACAACTTTTTCATCTTCT
AAGATGATGAAGGTCTAATTAATCTTGGCCTTCACAACTGCTCTCTCAGCACTGGAAAGA
GCCATTCTCCTTTATACTGCATCTAAGCAATTTACATTAAAATAAATACGTTTCAAAGCT
CTATATTCATACTGAGGTTTTGAATGAAAACAGGGAAGAGAGAACCACTTCTTTATAATG
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AATGATTTAAAAAA

Sequence 3217
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CCATTCTCCTGCCTCAGTCTCCCGAGTAGCTGGGACTACAGGCGCCCG

Sequence 3218
CCGGGCAGGTACCCATTAAGTAGTTTTTCGACCCATAAACTCTCCTGTCCCAGTAGTTCA
CAGTATCTGTTGTTCCCATGTTTATGTCTGTGGGTGCTCAATGTTTAGGTCCCACTGATA
AGGGAAAACGTGGTATTTGGTTTTCTGTTCCTGCATTAATTTGCTTAGGAAGGAGGATTT
TCTTAAACATCAGTCTGCCTTTTCTCTAAGGCTTTATGATATGAGGCATCCGTATTCATT
GAATATGGAGCTTAGAAATATAGGTATTGAGGGGCCACCACACCAGGCTGACTTCTTGAT
CTTGAATTTTATAAGGATTCTAAAGGGCATTGGGTAGTTCCAGGACATCTGAGACC

Sequence 3219
GAGCAGCTAAAATCTAGGATGGNGTTAAGTTTCTTCATTTTGTCAATTATATATAAAAAA
TTAGAAACAACATGAATCTGCATTTCTTGGATGAGATAGTTAATAACAAACTATTTCTCA
ATATTTGTATACTAAAAACTAGTGAAGGNGTTATGTGTTTCAGTATCTTATCTCTTATTT
GAACATGGGTTTCTGAAAGGAGCCTATATAATAATATAAATGGTATGTAGTAAATGAGGC
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ATATACTTCTCACAGTTCTGG

Sequence 3220
AGGTACTCACAGCTGCATCACACTGAATATCATCTCCCTGCACTGCCATTTCATTTGAGC
AGGGCTTTGCCTGTCAAGAACATTCATATCTTTTGATAAACAGTGCATTTTTTCCCTGAT
AGTCTGTATGGGACAGCCTCCTTGTTTGCATCTGAAGGACAGGGACTTCAGGACCTCCTG
CTGTGGTCACCAGGGAATCACATTCAAACTTCTCAGCAAGGTGTTATGGTCCTTCTCAGT
TTGCCTACGATCCATTGAGGCAAAGGTTTCCTTCTATCAATACACCCTCTGCTTTAGCCA

Table 1

GGGGGACCTCCCACTGTCCTCTCTATGTGTTCTATTTGTTCCTGACTGTTAGTACCTGC
Sequence 3221
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TGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCNTCATGCTGAGTTGTGTGC
AGCTTGCANCGGATTCCTNTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTTCACCTT
CCCTGGGAATGTCCCTGGACAAGAGACANGGGNAGAAGGCCTTAGGATCTACTGGGGGAA
GTCCCGGAGGAGCAAGTCTCTTCTGTCCCGCTG
Sequence 3222
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AAACACTGAATAAANATTTGAAGCCATCTTTTTTTACAAAAAAATANGCCTGTNNGANCTTC
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TGTTGCCAAGTCNNCCNCANCAACTTCTACNTTCTACTACTTTAANTTNGGGTNANAAGG
CATCCAAATAAAAAACCCCTTAA
Sequence 3223
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GCCTCACTCTATGAACAGCACATGGTGAGCCCCATGGTTCATGTCTATAGAAGTCCATCC
TTTGGTCCAAAGCATCTGGAAGAGGAAGAAGAGAGTNAATGAGAAAAGAANGGAANGTG
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Sequence 3224
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CCAGTGGCATCTAAGGATCCCTTCCTAAATGGCCTTTCTCCCAGCCAATAGACTGAAGCA
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CAAAAGCCCTACAATTTTTTTCCCTGTAACTAAAGAAAATAGCTTCTCAATGTAACTAAA
TTTTTATTCTCATACCGCAAAATTGGAATGTATACCCTTTC
Sequence 3225
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GTGAAACGGCGGCTGCTCATGGAAACGTGTGCTGTCAACAATGGAGGCTGTGACCCCNCC
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GGATGGGAAGACATGTAAAGATATTGATGAGTGCCAGACCCGCAATGGAGGTTGTGATCA
TTTCTGCAAAAACATCGTGGGCCAGTTTTTGACTGNCGGCTGCAAGAAAAGGGATTTAAA
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Sequence 3226
CGCCCGGGCAGGTACTACGCTCTTGATACGAAAAAAATNTTATCACGTGCCCAGCCTCTCT
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Table 1

AATTACAAAGTTTTTCNATTTTTTTTTGAATTATTGAAACCAAGGGGNGAATTGGNGGAAA
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CAAAATAGGNGCCTTANCNCNCCCCNCTTTCGANAAGTCNCCTTGGGGNAAAAATCCCCT
CAAGCTAAACCNCCTTTTTAAAAATTGGGAATTAAAAGGAAAGGGTCCAATATTCCCCTT
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Sequence 3227
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Sequence 3228
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TTACAACCTTTCCTTGTTGCTTCCAGNTCATNCTGTCTTCTTAANCTCTTTGCTTGTGTT
TCCCAAAAACTTTATTTTTTTTTTTCATAAAATCATTAATATTGCTTTTCCCACTT
Sequence 3229
TNAAATTGNTTTATTCCCCCTTCACCNANTTTTCCCCCANAANTCATTACCGGAAGTCNC
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TNGTAAAAAATTTCNGGNGGGNCCCCAAAAACCCGGCCTGTCCNGGGNNNTGGTAAGGAAA
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TTCCCCGGCC
Sequence 3230
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ANTATCTACCCTGGGTGGTTGGAAGCTGCCAAGGGCACCCAACCTGGTCAACAAATTAGT
GTGCTCAGCCAGAGGCAGTCCTGGATGAATTCAGGCTGCAAAGTGCCCTGTGACCTGGCC
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TCAAGGGTTT
Sequence 3231

Table 1

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CTGCTGAAGAACATGTTGCTCAAGGAGATGCCACTCTTGAACATTCCACAAATTTAGACT
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GACAAGTGACAGCAAAGAAGGTGGNGAAGGTTTCACAGTAGATACACCAGCAAAAGCAAG
CATCACTAGCAAAAGGACACATTCCAGAAGCTCACCAGGCTACTTTATTGGATGGTAAAC
AAGGGAAAGGTAATT
Sequence 3232
GCTCCCCGCGGTGGCGGCCGAGGTACCCTGTTACTGAGGCAATACCTTTCTGGGTAATTT
TCTCAATCCTCTGGGTATATTGAGGTTGCCTACTGTGGCTGATGAGGAGGCCAGCTATTA
TTTCTAGCCTTCTCTGTCCATTGAGCATTGTTCTATCTGCTTCTTTTCAGTAGTTATTTG
CCCTGTNAGTTTCCTCACATGTGTGCACTGATCAATACTTAAGCCTGAAACTGTCTGCAG
CACTCCAGATCTTTATTTCTCTTTTACTTTGCAACTTGTTCTCTCTGTAGTTCTACTCTC
TTCGCTCTCTCTCTCTTCCCTCAGCACAACCCTCTCCATCTCTACACTTCCTCTCACCTC
TGCCCTGTGAATTCTAATTGCATTTGCTGTCCCAAATCCTCTTTAACTCATTCAGACCAC
TGGAGCTCTGGATTTTTTCCTCTCTGAGCTGCAGCC
Sequence 3233
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAATATANGGCAGACACG
TTTGCCTTCAGAAATTCAGAAATGCAGCTTTTGAGGGAGGTCAGCATCATTGGTCTCAGC
TACTAGAGTTGAAGATGATTCAGCCACTTTTATTCCAGCCACTCCATTTCTAGCATACAC
TACAGAGAAGTGTATATTTAAAGAGGCCATTTTTCCTGCAGGGATGTTTATAAATAGTTC
CTGGCAAAGGAGGTTGCCGTATAGGGTCCTACAAGTAACCTCCCCGCGTACCTGCCCG
Sequence 3234
CCGCGGTGGCGGCCGAGGTACCCTGTTACTGAGGCAATACCTTTCTGGGTAATTTTCTCA
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AGCCTTCTCTGTCCATTGAGCATTGTTCTATCTGCTTCTTTTCAGTAGTTATTTGCCCTG
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CAGATCTTTATTTCTCTTTTACTTTGCAACTTGTTCTCTCTGTAGTTCTACTCTCTTCGC
TCTCTCTCTCTTCCCTCAGCACAACCCTCTCCATCTCTACACTTCCTCTCACCTCTGCCC
TGTGAATTCTAATTGCATTTACTGCCCCCAAATCCTCTTTAACTCATTCAG
Sequence 3235
ATACTCAAAAAACATATATTTGCATGTGCCAGGAAAAGGTAAGGAAAAGGGAACCTTCAT
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GTAAAGAGTTTGCCGATGGGACCAAGTCTGTCATCTCTCTTTCCTGGCCTGACCGAGGAC
AAGCACTTNTTAGTAACCCTGTGAATACCGATGCATCCCGTCAGTCAGCAGCTGTTTGCG
GAACACCAGCTGCAGGCCAGGCA
Sequence 3236
NAACCGTAAAAAAGGGCCCGCGTTTGCTTGGCGTTNTTTTNCATAAGGCTCCCGCCCCCC
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AACCCCCGGACAGGGAACTTAATATAAAGNATANCCCAAGGGNCGGTTTTTCCCCCCCCT
GGGGAAAGGCCTTNNCCCTTCGGTTGGCCGCCTTCCTTCNCTTGTNTNTCCCCGGAACCC
CCCTTGGCTCCGGCCTTTTACCCCGG
Sequence 3237
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GCTGCAGCTGTCTAGAGCCACGCTGTCCACGTCGNGTAAGCCTGGATTCCCAAGCCGTTG
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Table 1

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TGGCCTTAAAAGGGGCTTTTCCCACCCCTTCCCATTATTGGTTGTNGGGGGGAGGGGGGAA
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CCCCTTTTGNTTTGGGCNTTTCNCCAANTTCCAATTNCCCCTTGGTTCCTTTTCCTTTTA
AAAGGTTNCTTTTGGCCTTTGGTGGGTTTTTTCCCCANAAAAAACCCTTTTTAATTTTTTTT
TTTTTNTTTTCCAATTNAAATTTTTTCCAATTTTAATTAATTTTG
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Sequence 3238

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CGAGGTACATNGTGGCCTTTCAGCTAGTGCAGAGGATGGAAACCAGAGTGGGCTGATGAT
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TNCAAGCCTCCCTGATTCTTATCACTCCCAGNCCCTGCAGGGGTCCCTGAGAAGGTTAAT
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CTCCCAGNGGTTGGGNCCCGNCCAATNGNCCCTCTTCTTNAGNGNGCCCAAGAACTCCTT
NCCCNCNAAANTTATATTCCTAAAGNNCTTTTGGCCTTTNNAAATNGNCCTCCCCNNGGG
GCCGCCTTNTTTGGCTCCTTTACNTTTCCAAAAAAAG
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Sequence 3239

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CAAGCCAAGTTGGAAAATTGGAAAATTGGAAAAGGTGGAAAAANTGGGGTTATNTTTAAT
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TNNGCNAAGGGGGNCCCCAAAGAAAANNAAACCCAAGNCCTTTTTTAANGCCTTTGGTTG
GCCCCNTTTTAAANCCCCCCAAGNTTCCCTTGNGGAAGNAAAAAGGCCCCAAAGCCAATG
GNCCCCGGTTAAAATTCCAACCCGGGGGGGGGGNAAGGGGAAAAAAAACCCCCCCANTTCCT
TTTTTTTTTAAAAAGGGGGGGCCNTNCNCCTTTCNGGCCTTTCCAAAGGGGTTNGGGGGT
TTGGAAACCCAAAAGGGGGTTGGAAAGGGGGTTGGGGGGTTCCAAATTCTNTAATTNGNC
CCTTGGGTTNCNTTTTTTTAATTTCNAAGGNTTACTTTCNTTGGGNTTCCCCTTTAAAAAA
ATNAAACCTTTGGGTGGGGCCCTTTCCTTTGGAAACCAATTTTGGGAATTGGGGCCTTNA
AAANTAAATTNTTTCCCCATTTANTNTTAAATTTCCAAGGGGGGGGCCNTTTCCTTTNGGN
TGGGGGTTGGNTTTTTTTAANGGGGCCCCCNTNCCTTAAAAATTTT
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Sequence 3240

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CACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAGAGCA
CCAGGAAGTTACTTAAAAACATCTGCAGGAGGACATTGGTAGCCTTTACTAATACAGCAG
TCTCTTTTTTGAGTAGTTCATTAATTGTTAGAACACAATAGCACTTTTGAAATAAAAGAA
ACTAGCATCCCAGATTGAAAGACTTTACTTGCCAGNTAAGCACATGGGCTGCTGTTAGAA
GAAAGCTAACTTGGCTGGGTGCAGTGGCTCATGCCTGTAATCCCAACACTTTGGGCGGCC
GAGACGGGTGGATCACCTGAGGTCANCAGTTCGAGACTAGCCTAGCCAACATGGCAAAAT
CCCATCTCTACTAAAAATACAAGCAATTAGCCGAGCCATGGTGTCACCGTGCCTTGTAAT
CCTAGCTACTGGGG
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Sequence 3241

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CGGGCAGGTACTAGCTGTTTTTGCGACTTTTAATAATAACACCTNCTAGTTACTGAGTGT
CATCATCACCAATGTCATGATTGCCACGATTTATTGAGTGCCTACTACATGCAGGCCCCA
GGTCAGTGCTTTACACTCTTAACTGTCATGTTGACAACAGCTCTGAATGACAGGAGCTCT
GTTCAGTGTTTTACAAGTGAGAAAACTAAAGACACTAATAATTTTTAAAAATATATCCAC
AGTTCTATGATTAGTAAGTAAGGGAGCTAGTCCT
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Sequence 3242

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AGGTACGCTTCATTTCCTCCAGCACCTTGAAGACAGCTTGGCATAGAAATAATTGTTGAA
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Table 1

TCAACATGTGCATAAATAAATGACTGATGCAATGGGCAAACCCTTTGCAGTGCTCTTCCC
TGCCTTACCTGTATACCATAACCTNCACTGTGGCAGGGACTGTGGTGACCTCACTTGCCA
TGGCCTCCCAGCTTATTCTTAGTGTCTGATACACAGTTGGATGATTAATAAATATTTGCC
ATCTCAGTGAGTGTATGGACATGGTGAGTCCTCTGCCAATCCTCCCAAATCCATGCCTGC
CACACCTCCACATTGCAAACCTGTCCTCCCACACTGCAGCAAGAGCCAGGCAGGGTTCTA
CCATGCAAAATGGACCTTCATGTCTCCTCCACNGCTACCCTAANGCTTCAGAATCTTCTT
TAGATGGTGGGCCCCACAAAAATAGCTTTAGCTTTAGTTACAGACTCACAGATTTTACTT
ATAATCTTAGGGCATTCACAGGTCTCTTGAAGTCCATGAA
Sequence 3243
AGGTACCATCTCAAAGAACACCTGTATGTATGCAACGTATTTAAGCAGAAAGAATGGGCT
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TTCCTATTTGCCAAGGGCATGTAAATGTGATAAAGCAGATCCGAAGACACATGGGAGTGA
GACTAGGAAAGTATTAAGAACATGGGCCTTGACCGGGCGCAGTGGCTTACGCCTGTAATC
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GCTAAGATGGTAAAACCCCGTTTCTAAAAATTAGCTGGGCACAGTGGCGGGCACCTGTAA
TCCCAGCTACTTGGGAGGCTGGGGTCACTTGAACCCTG
Sequence 3244
GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
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ACAGGGCTGATGTCATTCAT
Sequence 3245
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ATCTCCCCTCTCGTGTTTCATTAGCATTTCTTCAATAGTTTCTCAGGGTTATTTCTCATG
AATCACCATTGNATACTTCTTAAAAC
Sequence 3246
CCGGGCAGGTACGCGGGTGTTCAGGGAATTACAGCATAGATATGAAAGATGTCTGAAAAA
TTGGAAATATCAAATAAAAATTAAGAAGCCTAAAACTACATCAGATTAATATGTAGTATA
GTCTTTCACATCTGGCCATGATGGAATGGAGCAATGGGATTATATATACATTCTCACAGT
AAACAGTTTTCAGATATTGAACAACAAAAGTAGGCAGTGCTAGCCAGAGATTCCTTGGA
GCCAAAAAACAAAACAAAACAAACAATAAAAATTGGTAATCTCTATATTGCTCCAGTTTG
CTGCTTGGAGAAAGTTCTCAGGCTGCAGCTCAGAGAGGAAAAATCCAGAGCTCAGTGGTC
TGAATGAGTTAAAGAGGATTTGGGGCAGCAAATGCAATTAGA
Sequence 3247
ATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTGCCTGTGCGTAGCTGCATTA

Table 1

AACCAAATGATCAAGAATATCAAGATACATCTTCCTGGATCTTCAATCCCACTTAAAGAT
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ATCAGCAGAGGACCTCCACTGGTGATGTCAGCAGGATCTGAGGATGTTCAGGTAGACATG
CTATGCTTTGAATCTCCAAACTTGAA
Sequence 3248
NAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTAACAGTCAGGAACAAATAGAACACA
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CTTTGCCTCAATGGATCGTAGGCAAACTGAGAAGGACCATAACACCTTGCTGAGAAGTTT
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ACAAGGAGGCTGTCCCATACAGACTATCAGGGAAAAAATGCACTGTTTATCAAAAGATAT
GAATGTTCTTGACAGGCAAGGCCCTGCTCAAATGAAATGGCAGTGCAGGGAGATGATATT
CAGTGTGATGCANCTGTGAGTACCTGCCCG
Sequence 3249
CCGGGCAGGTACTTAGCACATGCCANGAACTGTTCTAAACCCCTTCTGTGCGTTAGCCCA
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TGAAGTATANAGAAGGTTGAGCAATGGCATGCAGGGCATAGAGAAGGGTAAGGACGACTG
TAAACAGGTCAAGAAGTGGAAGGTCAGATAATTTACCCTGATTGCACAACTGGTAAGTAG
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TTTCTTATTACCATTTCTGCCACTAGCATGCAGAAGACGCTAGATGATTATTGAATCAGT
GAGTTTCTCATAGGTAAGATGGAAATGATTCTTAGTAGGGTTTTGTGAGAATAAAATTGG
AAATTGTACATTTCTTTAACATATTTTGGGTAGTAATAGCTATTATGATGCTAGTGGATA
ACACAAGAGTTCAAAGGTGACCAGTTAGATGTGGAGGANGGAAAGAGTTGTGTAAAAGAT
GATGAAGTGTTCTAGCCTGATGGTGAAANGACAGTATTAATGGAAATAATTAATTTGGAA

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Sequence 3250
GCGAGGTACCGTAAGGGGAGTTTTGTTCCTACTGCCCATGAGTCTGTGGTCCCACATGTG
TTGCTTTTGTCCATGTCATCATTTNCACAAGGATACATNTGAATGCTGTATTTATGCCTN
ATTTNTANATACATGGGGAACTGNAACTATGTTTTTAGCTGAAGGTTCTTACATCAAAAT
TATGATATTCCTAACACTGCTTCCCAGANAAGACCCCCAGAGTATGTTTTGTTTTGAGAC
AGAGTCTTGTTCTGTTGCCCAGGCTGGAGTGCAGTGGCATGATCTCGGCTCACTGCAACC
TCTGCCTCCCAGGTTCAAGCGATTCTCCTGGCTCCCTAGTANCTACAGGTGCATGCGTGG
CTAATTTTTGTATTTTTAGTAGACACGGGGTTTTGCCATGTTGGCCAGGATANGTCTCAA
A
Sequence 3251
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AGGGTGGATGCCTTATTATGGGATTAAGTGCCCTTCTAAGAGGGACAGTAGAGGGCTTGT
CCATGCTCTCTCTCTCCATGCACAAGAAAGAGCACACAAGTGAGAAGGAAAGAGGCCCTC
ACCAGAACCTGACCATGCTGGCACCGTGATTGCAAACTTCCAGCCTCCANGATTGTGAGA
AGATAAATATCTGTGGTTTAAGTCACCAAGTCTGTGGTGTGTTTATGGCAGCACAAGGT
AACCCAGATGATGCTTTTCACCACTGGGTGGTCCANCCTTTCATGGAAGCTGTCAACTCC
TCAGCCTTGCAAAAAATG
Sequence 3252
AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAGGAGGCAGCTTTT
TTCTGCTCTCTGTTGACTTCTGAAGCCAGCCTCATGATCGTTTCTCTGCTAGCTTTTGCT
TCCATCTCATGGACATTTATAGTCTCTTCAAGAATAACAATTTGTCCTTTCACGAATTCA
TTTTCTTTGCGCAGGTCTCTAAGCTTTAAAATTAAATCTTCATCTGATGCCTTGTCATTC

Table 1

CTCTCATCTGGATCCAAGCAGTCACGCAGTTGAGTCAGAAATTCCTCATGTTTCCTGCAA
TTCTTTGAAACTTGTTTCTTATTCTCCTCATTTTCTTTTGAACACTNTTGTAATTTTTCA
TTTAACTCTACAACTTTCTTCTTTAATTCCTGGNTCTCCTTGATTGCANCGTGAGCTGTG
ATTTCTGTTCTGATTTTAGAAGTGGAAAGTGCTGCTGATTCTTCTTCTAGCTCCTGAACT
CTGTCTCTCANAGAGGTAAGGAGAGATGATTTTCTGGCATTGGTTTCCTTGTAGCTCTNC
ATTTCANCTTTCAATTCTTGACAAGAAACTTCTTTAGAAAGCATCTTGGATCGGANGNCT
TGAAACTTAAACTGANCCCATTCAAATTTGGACCAAAGTTGCTGCAAGTTCACTTNGAGC
ATTTTGAACCACAATTCCCAAAAGGGGGTTAACTGCTCCCGGNGNGANCNGGACCTTCCG
AAAGAAGATCGTNAGGTTNTTGCGGGGACANTTGAACTGAACCAATTCCCCCATTTNNGG
AACTACTGCCAANCANNCNAANCCCGGGGGNCCCCATTCCCAGGCCAAAGGGGGA
Sequence 3253
TTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAGATGCACACAGATGGGAGGAGCTGCCT
TGAGCGAGAGGACACTGTCCTGGAGGTGACAGAGAGCAACACCACATCAGTGGTGGATGG
GGATAAACGGGTGAAACGGCGGCTGCTCATGGAAACGTGTGCTGTCAACAATGGAGGCTG
TGACCGCACCTGTAAGGATACTTCGACAGGTGTCCACTGCAGTTGTCCTGTTGGATTCAC
TCTCCAGTTGGATGGGAGGACATGTAAAGATATTGATGAGTGCCAGACCCGCAATGGAGG
TTGTGATCATTTCTGCAAAAACATCGTGGGCAGTTTTGACTGCGGCTGCAAGAAAGGATT
TAAATTATTAACAGATGAGAAGTCTTGCCAAGATGTGGATGAATGCTCTTTGGATAGGAC
CTGTGACCACAGCTGCATCAACCACCCT
Sequence 3254
CGGGCAGGTACGCGGGGCTGCTTAAAACTCTTCAGAGGTTCACCATCGCTTCCAGAAAAA
GATCAATACTCCTGACGTGGCAACCTGTCGAGACTCAGGACCGCTAGGAAATCAGCTCTT
GTTTACCCCTCTATCCATTACACTACGATCCAGCTGGGTTTAGGCATCACTTCCTCTGAG
CAATCCTCCCTGATGTCATGAGGCAGTGCTGAGTGCCTTCTCTGGACCCTCTGTTTACTT
GCCTGTTAAATCCTGAACATCTGGAAGGGAGTCGTGTTCAAGCAACATATCTACGCCTTG
CAGCACGGTGCCTGGCCTGCAGCTGGTGTTCCGCAAACAGCTGCTGACTGACGGGATGCA
TCGA
Sequence 3255
CCGCGGTGGCGGCCGAGGTACCAGGCTAGGCAGCTCTGGAGAAAGCAGAAGTGGATAAAT
AAGGTGTGGACTCACCAAAGACAGTTCCAAGGTCAATTTCACTCTGACACACTCTCTGTG
ATCTTCCACAGTCAGCACAATGCCTGCCCCTGTGGGTGTTGTATAAATATTTGTTGAATG
AATGAATCAATCATTCAACAGACCAAGGCCAAATCAGAACCCCAAACCCTAAGGTCTTTA
TACTCTCACTGTCCATCCATCGATCTTCCTGTCAGAAATCAGAATATACCTTTGCAATAC
CCTTTGCTAGCCTTTCAGTTATCTTTTGAATAGAGGCTCTGAGCCTTGAAAATATTGCCT
GGGAAATATTAACACCCATTTGAAGTATCTCCCAAACACCTCAATTAACTATATGGTGCT
GTCTGGCCAGG
Sequence 3256
ACATTAATTTGCTTANGAAGGAGGATTTTCTTAAACATCAAGTCTGCCTTTTCTCTAAGG
CTTTATGATATGAGGCATCCGTATTCATTGAATATGGANCTTANAAATATAGGTATTGAG
GGGCCACCACACCANGCTGACTTCTTGATCTTGAATTTTATAANGATTCTAAAGGGCATT
GGGTAGTTCCANGACATCTGAAAACCTTGAGGGAAGGTGCATTCCTCTGATTTTTGTGCC
TCTGCCCAGCAGTCTGGCTTCTAACAAAANTGGTCAAAGGAATGCCTGACTCACATGAAG
GCTTCTTGCAAAAGTGTTCCAAAAGGAAAAAGAAAGGGACCAANTGTCCTAACTTCCTC
CAAAAAGACTCATAAGACAANCATTGGCTTNCAACCTGCCAAAAATGGGGGGAAATTTNG
TTTTTACAATTCACCCAGGGAAAAANGN
Sequence 3257
AGGGGCGAATTGGAGCTCCCCGCGGTGGCCGGCCGCCCGGGCAGGTACGCGGGATTTGTG
TGACCTTCCACCTTAATTTTCATCACATGTGGACTCTAGTATCACCTGGATTATTCAGAT
TGATTTTCTTACTTAAATTCAGTAGAAAAATTGTGAATCTGACTATGAGGGGAGGCAGTA

Table 1

TGAACTCATTAAATATGTATTCCTGTTTGGAGAAATATTCGCTGGATAGCTAGAATTTTA
GATTGGGAAATCANGTTTTACATCAGCAATCAAATGAATAGTAGTTTAGAAGTTTTATTT
TTTAACTTCTCATTTTTGAAATAATTTCANATTTACAA

Sequence 3258

CCGCGGTGGCGGCCCGAGGTACTAGCTCCCTTACTTACTAATCATAGAACTGTGGATATA
TTTTTAAAAATTATTAGTGTCTTTAGTTNTCTCACTTGTNAAACACTGAACAGAGCTCCT
GTCATTCAGAGCTGTNGCAACATGACAGTTAATAGTGTAAAGCACTGACCTGGGGCCTGC
ATGTAGTAGGCACTCAATAAATCGTGGCAATCATGACATTGGTGATGATGACACTCAGTA
ACTAGTAGGTGTTATTATTAAAAGTCACAAAAACAGCTAGTACCTGCCCG

Sequence 3259

AATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCAGGTTCAAATAGTCAGCAG
CTCATCATAATCAATGAGCGAGGACATAAAGTAGGAAAAATGCATCACCATGGTGAGCAA
GGAAAGCAAGTTATTGGAGGCACATGTTAACACATAAAATATAAAATTAATATGATCACA
CTGGAAAGGCTTGCCTGAGCCCACAGTTTGAATGCCTACAATAAGATGAGATGCACAACA
AAAAGCAAGAGAACCTGATCAAGTGGGTGACCTGGCCATGGTGCTCTCATCAGTGGGGAC
CCAAATGCTTATGTGGACTCACCAGGTATCGAATTAGACATGAATAGGAGTGTTTGTTGT
GATGGCAAGAAACTATATAATCAAATGAATACAATGAAACTTTAAAAATAATTGTAA

Sequence 3260

CCGGGCAGGTACCTGGTGCAGCCCATATCCATACACAGTCTAACTCTGGATCCCACACTC
TAAACCGCGATGCAGTAATACCTGGTTTCAGTGCACCTCAGATTCGTCCTCCTAGGCTGC
CGCTGGAAGACTAGCAGCTCTTCATTCTGTTTTCCTTTTCATTGTCATAGATTATTTGTT
ACAACTGTCTGTGGAATGAAATCAGAATATTTTTAACAAATGGATATAAATCATGCGTCA
TTTCTCTATGGNTAACATGTGTCTCCTTAAGTTGAAAATGAAATTCCAAACGGACTAGGC
TATATACATGATTGTTTTCCACTCTGCCTCCCTTTTAAAGATGTCACAACCTGCCATTTA
TAATGCAGAGCGGTTTCTCGCTCCATCTNTCCTATTTTTCTAACCCCGGTAACAAAAACCC
TCCTGCAGACAGCACCTTTT

Sequence 3261

ATGCTCNCTTNGCNTANNCATGGTCATAANTGTTTTNCTGNCATCCTGGTCTTGGCCAGC
ACCATCACTATCTTAAAGGACTTCTCCATCTTACTCATGGAAGGTGTGCCAAAGAGCCTG
AATTACGGTGGTGTGAAAGAGCTTATTTTAGCAGTCGACGGGGTGCTGTCTGTGCACAGC
CTGCACATCTGGTCTCTAACAATGAATCAAGTAATTCTCTCAGCTCATGTTGCTACAGCA
GCCAGCTGGGACAGCCAAGTGGTTCGGAGAGAAATTGCTAAAGCCCTTANCAAAAGCT

Sequence 3262

GTTCCTGGAATTCTATTATGTGAATGTAAACCTATATAATATATTTAGCCATTTTCTCAN
TTGGATATTTTGGTTATTTCTATGTTGNCACAATTTTAAATCACATTGAAATAAACTANG
CCCCTTTGACTCCTTTCTTTCTCTCTTACTCCATGTGGNANACTAAATGTGGCTGCTA

Sequence 3263

ACCTTCTCACACCACATCTTCCAGGATTACACTTTTATGCTACACCTGCACTGATCAGTC
TTCTACTCCAGTCTACATTTTGTCTTCGTAAAAATGTTGAGGATGAATGCTGTTCCACTT
TCCTTTCCTATAGCGAGATGGCCTNCCCGCGTACCTGCCCGGGCGGCCGCTCTANAACTN
AGT

Sequence 3264

AATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTCACAGCTGCATCACACTGAATATCAT
CTCCCTGCACTGCCATTTCATTTGAGCAGGGCTTTGCCTGTCAAGAACATTCATATCTTT
TGATAAACAGTGCATTTTTTTCCCTGATAGTCTGTATGGGACAGCCTCCTTGTTTGCATCT
GAAGGACAGGGACTTCAGGACCTCCTGCTGTGGTCACCAAGGAATCACATTCAAACTTCT
CAGCAAGGTGTTATGGTCCTTCTCAGTTTGCCTACGATCCATTGAAGCAAAGGTTTCCTT
CTCTCAATACACCCTCTGCTTTAGCCAGGGGGACCTCCCACTGTCCTCTCTATGTGTTCT
ATTTGTTCCTGACTGTTAGTACCTGCCCG

Table 1

Sequence 3265
CCGGGCAGGTACAGAAAGTTCACATGAGAATGCCAAAGTATCTTGTATTCTGCATATCTT
ACATTGTGATGGAAAAGAAAAATTCAGAAATATTAAAACATATTTAGTTTTATATTTACC
ATGATTATAAGTCTCCAATTTTTCTTCAATATTCTAATAATCTTGTCTTCCAAAAGTAAA
ATAATAATTTTCACAGAAAAGCAGCCAAGTACTGAAAATAACAGCTACAGTTGTTTTTTG
ATAAACATAATGAGAAACCATTAAGCAATGCATTTATTTAAAAAATTAGTTAATTTTATG
TAAAGTTTATCCAGTCAAATGAGTATGTAGAATAATTTATTATAACACCTTCATAGTCAT
TCCTGTATTACAGAAATCTCTTTTAAGTAATGCAAAGAAGTTGGATGATTTATTTTTTTA
CTTTTTTACTTTCCAAATATAAATTCT

Sequence 3266
GCGGGACAAAAGCCCAGAACACACATGCTCTCAGGGGGCCCACCAGGGTTAAAGAGACTG
AAAAAATAATTTTGGCTGCGAATTTAAGTGAGGATGAACACCACGAGGAGCTTCATATGC
AGAAATGAAGTCCTGGCTTTCTTAAAAAAAATAAAAACACTAATGCCTCAACAACAACTA
CAACAGAAACCCTTTGGGTTTATTATTTCAAGCCAGGTCATGCTAGTTTCACAAGAGTTT
GTGAAAATGGATGCACATGAATAGAGCCTTTAAAAACTCGTGATTAAAGAGAAAGATTTC
ACAAGTTGATGGTTTGGTAGAATGGCAGTCATAAAAACAATTGCTCTTTGGTATATGTAT
TGGGTNAAAAAAAAGTT

Sequence 3267
AGGTACTGAGAGGAGAACACACAAGCAGACAGATGGAGGTGTCCACAAGACAGTTGGGAG
TTTGAGTCTAAAATTTGAGGGATTGATATAGATAGTTATATTTGGGGTTTCTTCACTGAT
CAGTGTTAGTTAATAGCCTAAGAGTAAATGATACCTAGATTAAGAAGAGCAGCGGGCTGT
GGACCGAACTTTGGGCACACCATCAATGACGAGTTACCCATGAAAAAGCCATTAGAAGAG
TTGATGGAGCATGAGGAGACCATGAGAGGACAACGTCACAGGAGTTGGGAAGAGGGAGTG
AGCGACACTGACAAGTACCTGCCCG

Sequence 3268
AATGGTCAACATGGCATCCTATGTTTTGGAGTCTAACTGGCGNGGGTGTCCTGCCTCTTC
CATCCACTTTGCACAAGTTACTTATCCTCTCTAAGCTTCAGGTTTCCTTTTCCTCATCTA
AAGAATGGAAACACGTCTGTTAGGATTCTTTGATTGCAAGCAACAGAAACAGATTCACTT
TTGCCAGAAAGGGTAATGTATTGGAATAATCTTAGTTCTCTGCCANAAACAAAGGAAAAG
GCCTTGCAAANAATGGAAACTAGGCAACTCCATGGATCGAGATGACAGAAGAAGTATATT
CTCCTCAGCATTCTGACACCAGAATGACTCCACCCTAACCATTTGTCATCCTGGGTTCTC
ACAGGGTAAAGCTTGATTGGCT

Sequence 3269
AGGTACGCGGGGGCTGCTTAAAACTCTTCAGAGGTTCACCATCGCTTCCAGAAAAAGATCA
ATACTCCTGACGCGGCAACCTGTCGAGACTCAGGACCGCTAGGAAATCAGCTCTTGTTTA
CCCCTCTATCCATTACACTACGATCCAGCTGGGTTTAGGCATCACTTCCTCTGAGCAATC
CTCCCTGATGTCATGAGGCAGTGCTGAGTGCCTTCTCTGGACCCTCTGTTTACTTGCCTG
TTAAATCCTGAACATCTGGAAGGGAGTCGTGTTCAGCAACATATCTACGCCTTGCAGCAC
GGTGCCTGGCCTGCAGCTGGTGTTCCGCAAACAGCTGCTGACTGACGGGATGCATCGGTA
TTCACAGGGTTACTAAGAAGTGCTTGTCCTCGGTCAGGCCAGGAAAGAGAGATGACAGAC
TTGGTCCCATCGGCAAACTCTTTACAGACAAAAAATCCACCTCACCCATCTCTACAAGCT
TCAGGGCTCAACACAGGGGCTGGCACATGAAAGCTCCTTTNCT

Sequence 3270
GATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGAACTGGGAGGGTTTTAGTCTGATAG
CCACAATTTTGACCTAGGCAGGAAGCTTTACAGCTTGAGGCAGTTTCATGGTCTGAAGAC
AAACTTCTTGTGACTTGCTGCCGGTGTTGGACTGAGGAGAGAGCCTCACTGGGTCAGGAG
CACGAGAACAAAGTGGATCCCACTACCACATCCCACCCCTCCTGTTTCAGAGGCAGATCA
TGGGACCAGGACTACTGAGAGTTCCATGGCCCTACCCATCATCTGAAATGCCCAAGAACT
CCTCCCGATTAACAAAGGTCAAGCATAAACTCTATTGCCACCACCACAGCTGGTCCTCAC

Table 1

TTTTAGGTGCTACCTCCTGTCCTAAAGGTTGATCTACACAGTCCCTTACAACATCTGCCG
ACTCAAGAGCACCCGCGTACCTGCCCG
Sequence 3271

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTCAAGCCAGGAAGTAAATTTG
CATTACAAAAGTCAAATTCCTTTCCCTGGTGGTAGCCATGCAAAAGACTTGGCCACTTTT
TCACTCTTGTCCAGGGAAGAAATTCTAGAAGTAGGAACCCATCTTAGTCAGAGTCAGGGC
CACATAAAAAGAGCAAAAAGGTCATCTGGCATAGACCACCTCCCTGCTTCCTAATGTACC
TGCCCG
Sequence 3272

AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACGTGGCGTAGCATTCCATGTT
CAGCTTTGACATTTATTTTCTCATATCAACCCTTTTTACACGTGAAACACAATCTCGCTC
TTGAAGTCTTAACTGCACGATCTGTGAAACCTGTATTTATATTNTCTTCAGTGTATTCTT
GT
Sequence 3273

CGCCCGGGCAGGTACACAGGTAACCACATTTAGATGGACTGGGATGTTGCCACACATACA
AGCATTGATAACTGGCTTCTCATTACCTGAATACATTCTTCTGTCAGAGCAACAGACTCA
GCTATGCTTCTGGCAAAATTGTTCTTAATTCTCTATTGATTAATTTATTCGGTAAGTATT
TATTG
Sequence 3274

GACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTAACAGTCAGGA
ACAAATAGAACACATATAGAGGACAGTGGGAGGTCCCCCTGGCTAAAGCAGAGGGTGTAT
TGAGAGAAGGAAACCTTTGCCTCAATGGATCGTAGGCAAACTGAGAAGGACCATAACACC
TTGCTGAGAAGTTTGAATGTGATTCCTTGGTGACCACAGCAGGAGGTCCTGAAGTCCCTG
TCCTTCATATGCAAACAAGGAGGCTGTCCCATACAGACTATCAGGGAAAAAATGCACTGT
TTATCAAAAGATATGAATGTTCTTGACAGGCAAAGCCCTGCTCAAATGAAATGGCAGTGC
AGGGAGATGATATTCAATGTGATGCAGCTGTGAAGTACCTGCCCG
Sequence 3275

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCATCTCTGTTTCTGAGGAA
GCAGCAGAGGAGCCTATGTGATCCAGANAACTTGTTCTTGGCTTCTGGAAGCNGAGATGC
AGGAATGGACCAATAAGGCATTAAACAAATTCATTTANAATCTCAAGAAAGAAATATCTA
ACAGTATAATCATAATAACAAAATTTTGATTTCTTCAGAAGCACTCCAATAGCTTCACCC
GCATTAGCTAATCTTGTGCAGTGAGGAGGTGCAATTCCCTCTAGTCTCCCGNGTACCTGC
CCGGGCGGCCGCTCGA
Sequence 3276

CCGCGGTGGCGGCCCGAGGTACGTGGCGTAGCATTCCATGTTCAGCTTTGACATTTATTT
TCTCATATCAACCCTTTTTACACGTGAAACACAATCTCGCTCTTGAAGTCTTAACTGCAC
GATCTGTGAAACCTGTATTTATATTTTCTTCAGTGTATTCTTGTCGTGTGTGTGTCCTAA
ACAAACCAAAAGAAAACTTTCCAAATCTAAAGTATTCATTCTCCAATTGGAGCAAGAGGA
GTCAGTTAGATACTATCACGGCATTCATTTGTGGCTGGCTTGTCATATTTACTTAT
Sequence 3277

GGCGAATNGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACTCAATAAAATAAGAG
ATACTATAGTAAAACTCTTACAGGAAAAATTATTAGAATTTGTGCTATACCAAATCAATT
TCACAAAAATGAACTGCCTGTCCACTGTTTTTCCACAAAAAATCCAGGCCATCTACACCT
TGCTGGAAGGATGGAACCTCAACTGCTATACTCCTTAGATTGCTATACAGCAATCTAAGT
GGCCCCATCACAGCTCCTCTCCTTGAACATTTGTTGAGATCAAGTTGCAGCTGGGCCAGG
CACAATCGGTCACAAGTTAGACAGCTGAGGGCATTCCAAAGAGTAGTGTTCCTTCCTCCA
CATTATCTGCCAAAGTAGTCATCTACCTTCAGGCAGAGCTAACCCAAGGCCTGTCCCTGA
AA
Sequence 3278

Table 1

CGCCCGGGCAGGTACAGGGAACTATTGGAGCACCTAAGAGGAGCACCTACCTTGAATTTA
GGGGTTAGCAGAGGCATCCTGAAAAAAGTCAAAGCTAAGCCACAATCTATAAGCAGTTTA
GGAATTAGCAGAACGTGCGTGGTGAGGAGATGCCAAAGGCAAGAAGAGAAGAGTATTCCA
AACAGGAGGGATTCCAAAGAGAGAAGAGTATCCCAAACAACATTTGCACAAACCTGATGG
GGAGAGAGAATGTGGGGTGGGGATGGATGATGAGACTGAN
Sequence 3279
GTACAGGGAACTATTGNAGCACCTAAGAGGAGCACCTACCTTGAATTTAGGGGTTAGCAG
AGGCATCCTGAAAAAAGTCAAAGCTAAGCCACAATCTATAAGCAGTTTAGGAATTAGCAG
AACGTGCGTGGTGAGGAGATGCCAAAGGCAAGAAGAGAAGAGTATTCCAAACAGGAGGGA
TTCCAAAGAGAGAAGAGTATCCCAAACAACATTTGCACAAACCTGATGGGGAGAGAGAAT
GTGGGGTGGGGATGG
Sequence 3280
CCGCGGTGGCGGCCGAGGTACAACAGGCTTGTAGTTCTTTGTGAAGGATGCAGGCAAGAG
GGATGTCCAGTTTAGACGGGCCCTGACAGCAGCAGCCTCTTCCACATCAAGTGAAGTGTG
ATTGTTAACGATCATTGCCTGCACAAAGTCATAGTTGCCTTTGAAGTAGTCCACCCAATA
CTTCATCATGACATAGCGGGGCAGGATTGGGGTGTTCACATTTTGCTGATAAGATGGTGT
GTTAAAATCTAAAGCTTGAAGAACTGGATAAATTAAAGCTTGTAGTTTGAGCTTATTTTT
TTAGGCTGGCATCTTGAGTAAACTGTTGTCCAAGGGCAGCAGCCAGATTTCCACCAGCAC
TGTCACCAGAAATGCAAATTCTGCCTGGATCAACCATATACTTCTGTAAGACTTCTGGCT
TCAGGAAATACTTTGTGGCCCGTACCTGCCCG
Sequence 3281
CCGCGGTGGCGGCCGAGGTACAGAAGGCATGAAAGGCTTGGGGCAGACCTATTACATTCC
TCATCTTCTTACAGCCCAAGAGAATATAGGACTCANAGATAATGATGCAGAATCTAGAGT
TCTCAAATCTGGGAGAAAACCTCAGGCTCTGGGATTTCCTGTAAGCCCTGCAACTTCTTT
CTCTCCACTCCCCAGCCCAGAAAAGCTAAACCTCATGAAACTTCATTTAATGAGAAGACT
TGAGAAATGAAACACTCGGACTTGGAAGTATATCGTGAAGATTATTTGGTCTTCTTTGGT
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CTTAGGCCAAGTGTGGTGGTTCACACCTATAATCCCAGCACTTTGGGAGGCCGAGGTGGA
CAGACTGCCTGAGCTCANGGAGTTCAAGACCAGCCTGGGCAACATGGTGAGATCTGTTAT
ACCTACAGCCTTTGGACCTGCC
Sequence 3282
CCGCGGTGGCGGCCCGCCCGGGCAGGTACTGGGAATGACTGAGTAGTCACAAATTCAGAG
AGCTGCTGGGAGGTAGATGAGTTGGGGCTGGGAGGTGTCCATGGGATTTGGGGGCTTGAG
GNTCACGGTCACCTCAAGACAGCAGGATGGGGTG
Sequence 3283
CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGGGAATGATATTTTCATGGGATTACTCA
ATCTCACCCACCATTAGTTGCAGGTGACAAGAAAGCTAAGTTGGCAGATGTTTGTGCTAG
AAGCTGTGGGTTTACGTCTCCTTTGTGCATGTGTTCCAGACATACCAAGTGGCTTGGTAT
TTAAACATCATGCTCAGGTGTGCAGGGTAGTTTTTGAGTTATAATAGGTATGCAGGCGCT
GNGGGATT
Sequence 3284
CAGGTACTAACAGTCAGGAACAAATAGANCACATAGAGAGGACAGTGGGAGGTCCCCCTG
GCTAAAGCAGAGGGTGTATTGAGAGAAGGAAACCTTTGCCTNANTGGATCGTAGGCAAAC
TGNAAGGACCATAACACCTTGCTGAGAAGTTTGAATGTGATTCCTTGGTGACCACAGCNG
GANGTCCTGAAGTCCCTGTCCTTCANATGCAAACANGGAGGCTGTCCCATACAGACTATC
AGGGAAAAAATGCACTGTTTATCAAAAGATATGAATGTTCTTGACAGGCAAAGCCCTGCT
CA
Sequence 3285
CCGGGCAGGTACACCTGCATTAGGGACAAGAAATCTCTATGTTGAACAAATACTGCAGGT

Table 1

GGTGCTGATGCTAAACTTTTACAAACATTGGTTATACAATTAATCAACAGTTATTTGATG
ATTCAGCACACAAATAACTCTTTGCAACCAGGTTTACGTTACTGGGAACAAACTAACTAG
GTTTCCCCAGGTGTGGAGAGCTTTCACACAATATACCCTAACTTACATAAACAAAATTAC
CCAGGTAAATATTTACTAAACAGTTTTAACATAAATGATAGTGATACACAAATTTGAGTA
ATAATTCAAGAAAATAAGTGCACAATTAGGCTGTTAACTGCTGTTTATCTGTTTAATGTG
AAATACCCACTAGCTTCCCTCCACCCTTTACCCTAACTCCCATAAAATCCTCCAACCAAG
CCACCAACATATACCCACCATACTTGCCACTCTGTCCTCAAACTCCTGTTTGGGCATTTG
CTCCTGGTTCTTGAAACTTCATTCTGACAAAGCTGAATAAAATTACCTCCTTAGAAAACA
GTCTGTTCATGATTAAATAACTAATAAAAT
Sequence 3286
CCGCGGTGGCGGCCGCCCGGGCAGGTACTAGCTGTTTTTGTGACTTTTAATAATAACACC
TACTAGTTACTGAGTGTCATCATCACCAATGTCATGATTGCCACGATTTATTGAGTGCCT
ACTACATGCAGGCCCCAGGTCAGTGCTTTACACTCTTAACTGTCATGTTGACAACAGCTC
TGAATGACAGGAGCTCTGTTCAGTGTTTTACAAGTGAGAAAACTAAAGACGCTAATAATT
TTTAAAAATATATCCACAGTTCTATGATTAGTAAGTAAGGGAGCTAGTCCT
Sequence 3287
AGGTACTCTGCGTTGTTACCACTGCTTCCCGGGACTCTGCGTTGTTACCACTGCTTCCCG
GGACTCTGCGTTGTTACCACTGCTTCCCGGGACTCTGCGTTGTTACCACTGCTTCCCGGG
ACTCTGCGTTGTTACCACTGCTTCCCGGGACTCTGCGTTGTTACCACTGCTTCCCGCGTA
CCTGCCCG
Sequence 3288
TGGCGGCCGCCGGCCAGGTACNCGGGGGGACAGGCCATCTCGCTATAGGAAAGGAAAGTG
GAACAGCATTCATCCTCAACATTTTTACGAAGACAAAATGAAGACTGGAGTATAANACTG
ATCAGTGCAGGTGTAGCATAAAGTGTAATCCTGGAAGATGTGGTGTGAGAAGGTAGCAC
AAGTGAAGCAGAGATACAGGAGATAGGGAAGGGAAGCTGGAAGCAGAGGTCACTGGAGGG
AGAGGGAGATGGACACATTCAGGGCTACAAAGCAAGTTCTATGTGATTTGCTCACCTCTC
AATTGTGGGACCCCTCAAAATATGTACCT
Sequence 3289
CGCGGTGGCGGCCGAGGTACTCACAGCTGCATCACACTGAATATCATCTCCCTGCACTGC
CATTTCATTTGAGCAGGGCTTTGCCTGTCAAGAACATTCATATCTTTTGATAAACAGTGC
ATTTTTTCCCTGATAGTCTGTATGGACAAGCCTNCTTGTTTGCATCTGAAGGACAGGGAC
TTCAGGACCTCCTGCTGTGGTCACCAAGGAATCACATTCAAACTTCTCAGCAAGGTGTTA
TGGTCCTTCTCAGTTTGCCTACGATCCATTGAGGCAAAGGTTTCCTTCTCTCAATACACC
CTCTGCTTTAGCCAGGGGGACCTCCACTGTCCTCTCTATGTGTCTATTTGTTCCTGACTG
NTAAGTACCTGCCGGCCGGCCG
Sequence 3290
CCGCGGTGGCGGCCGCTCGGGCAGGTACTAGCTGTTTTTGTGACTTTTAATAATAACACC
TACTAGTTACTGAGTGTCATCATCACCAATGTCATGATTGCCACGATTTATTGAGTGCCT
ACTACATGCAGGCCCCAGGTCAGTGCTTTACACTCTTAACTGTCATGTTGACAACAGCCC
TGAATGACAGGAGCTCTGTTCAGTGTTTTACAAGTGAGAAAACTAAAGACACTAATAATT
TTTAAAAATATATCCACAGTTCTATGATTAGTAAGTAAGGGAGCTAGTCCT
Sequence 3291
TNACTACTATAGGGCGAATTGGANCTCCCCGCGGTGGCGGCCCGAGGTACAATTTGCATG
CACGGACTTCTACATACAGAATACTTAAACAGTTCATTGTATTGAAACACGCTTAAAAAT
GGCCCTAGCACTTGCTGCAATCCTGCTGTGTAGGAGTTAGCCAGGTTGTGTCTGCTCCCT
CTAGACTATTCTATACATCAAGAACTAAAAAAGAAGAGCAATCCCAGCATGTGGCTGGAT
GCACATCAAAGCCAAGTCTGTCATGAATTATTTTCCTTCCTGTTCCTTTCATTCAGGTCA
TGAAGCACACATACTGCTACAGGAAAGGGCAAAAGGCAATGTCAAGTGCTGTGTAATTGT
TGGGTTCTTTAGTGGCAAAGGCCAGCAATGTTGCAGCCAAAAGGGCATTTAAGAATACCT

Table 1

GCCCGGGCNGGCCGCTCTAGAACTA
Sequence 3292
GCGAANGGACTCCACCGCNGTGGCGGCCGCCCGGCCAGGTACCTGGATGAAACTACACTA
GTGGTGGTGGAGATGGAAAGGGACAGATTCAAGACAGATTAGAGAANCANNGGCANCAGA
GCCTATTGAAGAACANGATNNNAGCCATGGTGAAAAGAGGAGATATCAAGGACGGTGTCT
GTATTTCGGNCTTATACAACTGGCTGTGGATAGTGCTACTCACTCCAGAATGCTCAGGGA
GTTTAACATATTCTNGTTTNGTGCATGAACANGGAGGCTAGTAGTAGGGTAGAATTCTTG
AGAA
Sequence 3293
CCGCGGTGGCGGCCGCCCAAAGTGTTGGGATTACAGGCATGAGCCACTGCACCCAGCCAA
GTTAGCTTTCTTCTAACAGCAGCCCATGTGCTGACTGCCAGTGAAGTCTTTCAATCTGGG
ATGCTAGTTTCTTTTATTTCAAAAGTGCTATTGTGTTCTAACAATTAATGAACTACTCAA
AAAAGAGACTGCTGTATTAGTAAAGGCTACCAATGTCCTCCTGCAGATGTTTTTAAGTAA
CTTCCTGGTGCTCTGTACCTGCCCG
Sequence 3294
CGAGGTACTAACAGTCAGGAACAAATAGAACACATAGAGAGGACAGTGGGAGGTCCCCCT
GGCTAAAGCAGAGGGTGTATTGAGAGAAGGAAACCTTTGCCTCAATGGATCGTAGGCAAA
CTGAGAAGGACCATAACACCTTGCTGAGAAGTTTGAATGTGATTCCTTGGTGACCACAGC
AGGAGGTCCAGAAGTCCCTGTCCTTCAGATGCAAACAAGGAGGCTGTCCCATACAGACTA
TCAGGGAAAAAATGCACTGTTTATCAAAAGATATGAATGTTCTTGACAGGCAAAGCCCTG
CTCAAATGAAATGGCAGTGCAGGGAGATGATATTCAGTGTGATGCAGCTGTGAGTACCTG
CCCG
Sequence 3295
CCGCGGTGGCGGCCGAGGACGCGGGGGCTTAAAACTCTTCAGAGGTTCACCAAATAGAAC
TTTGGGGAATCCTTTTAAAAATCAAACGCATACTTGGTAGGGGAACTGACAATGGCAACC
AGTTGCTCAGAGTTATTTGCTCAAAGGCCTACCTGCCTCCTAAGCCTCACTGTTCTTCAT
CAACTGTCAGGGGTTAAACTTTCAAGAGCTACTCCCAAAAGAGCTGCAGGAAAATTCTGT
CTAAACAGCCATGCAAAAGTGTCTGGGGATCACTACGGACAGAGGATGATGACAGAGGGC
CCATGACATTGGGCCTTGTCATGGCTGAATACTGACCTTCCACTGTCATGGCTGAACACT
GACCTTCCAGTGCCTACAGCTTTTAAAAAGAGTAAAAACTATGTTCATGGGTACCTGCCC
G
Sequence 3296
AGGTACAAGCTCCACTGGAATAAAAAAGACTGTGTGGAAGTGAAGGGGCTCCTGCCCACA
AGTGTGTCACCCCGTGTGTCCCTGCACTGCGGTAAGAGTGGTGGAGGAGACGGGTGCTTC
TCAGATGTCACTCTGGCATTCACCTCTCTTCAGGACTGCAAGGGGCCTACTCTGTCACCT
GTGGCTCTTCCTCTCCTCTCAGGAACAAACAACAAAAATCAAATGACTCTGCTTTTGGGG
ATGTCACCACCATCAGGACAAGTGTAACCTTTAAGCTAAATGAAGGCAAGTGTAGTTTGA
AAAATGCTGAGCTGTTTCCCGAGGGTCTGCGACCAGCACTACCAGAGAAGCACAGCTCAG
TAAAAGAGAGCTTCCGCTACGTAAACCTTACATGCAGCTCTGGCAAAGCAAGTCCCAAGA
GCCCCGGC
Sequence 3297
CCGCGGTGGCGGCCGAGGTACGCGGGCAAGGCTTCCTCTTTAAAAATCATACATTTAATT
CGGGTAGGGAACGACTTGGCTTCTTTGTTCCTGTGAAAGAAGTATATAAAAATGCCCCCT
TAGTAACTATGCAGTCAGCTTACTTCTCAGCAAAGTCATTGTGAACTTCTTCCCTGTCTC
AGGTTGGAAATAGGAACCAATTCAAGGTAGATTAAAGACTTAGGGCCGGGCGCAGTGGCT
CATATCTGTAATCCCAACACTTTGGGAGGCCGAGGTGGGTGGATCACGAGGTCAAGAGAT
CAATACCATCCTGGCCAACATGGCCCGTCTCTACTAAAAATACAAAAATTAGCTGTGCAT
GGTGGTGGGTGCCTGTAGTCCCAGCTACTCGGGAGGCAGGAGAACCACTTGAACCCGGGC
GGCGGAGGTTGCAGTGAGCTGAGATTGCCCACTGCACTCCAATCTGGTGACAGAGCCAGA

Table 1

CTCCGTCTCAAAAAAAAAGAAAAAAAGACT
Sequence 3298
CCGCGGTGGCGGCCCGAGGTACGCGGGGGGAGTCCCCAATGTCATGGAGTATATATCTAA
TGCCACTGAGAAACCTGGCTCACCCTGCACTGAGAGAAGCACTCAAAACCACCATCACCA
ATAGCGCTACTAAAGACAGTGCTTTGGAGCTTCCAAGCTGATAGATTATCCTTTCTCCCC
ACCCTCAGATTTCTCCAGTGTCTCTGGCACTTATAGTCCATGTTTGCAAGAAATATTTTA
TTATAGTGCTCTGAAACAAATTTATAAAGTTTGCAAGAGAAGTTTTAAAAAAGCAAGCTC
AGCAATATTTGGGGGCTTTTAAAGCTGATGATGCAGCTGACCTACTGGAGACAAAGGCAG
TGGGAGGGCCCTT
Sequence 3299
CCGGGCAGGTACGCGGGGGACGCTGGGAGGAGATGCTGCCACCTAGGTTACTTGTAGGAC
CCTATACGGCAACCTCCTTTGCCAGGAACTATTTATAAACATCCTGCAGGAAATGCAGT
GAAGTAGAAGAGACAGGGATATCCCAGAAGGTTATGCAAAACATCAAGAGAAGATGAGAG
GTCAGAGATGGGAAGAAACAAGAACTTTGACATGCTTGGTGTTCTTGCCCAAGCTTTGAA
GAAGTTTACAAAGTCTATATGTCAGAATACACATTTCCCACCTTGCCCAAC
Sequence 3300
AGGTACAGACATTCCCTCATTTTACTCCATTAGAATTCTGGACCTCTTCTGTATTTCTTT
CTGGGCCCTGCTACCTCCTAATCTGCATCTGGTGCTGGGAACCCAATAAGCCCAGCACAA
TGCCAGTGTGAGGCATTCTGAGATCCGGGATTGGGTTGTGAGACTCCTGACTGAATTACT
AGCCTTCTGAGCAAGGCTACCTCTTTAGACCCTTCTCCAGTATAAGCTGCATAAGCTCTG
GCTCATTCCACAAACTCCTGCACCTAATCATGTTCCTGGACCTCAGACTGTACCTGCCCG

0

Sequence 3301
CCGCGGTGGCGGCCGAGGTACGCGGAAATGTTAGACAAATGTAGCCAAACCAAAAAATAC
ACATGTTCTATGAATCCATATATGCAAGGTTCACAATAGGTGATAGTAGCTACTCTTTTG
GGAAGGAGTGAGGAAAGGACTGAGAGAGTATTGCAGAGGGGGCTCCGGGTGTTTGTAATT
TCTATTTCCCAGTGCAGGTGTGGTTTGCATGAGCATGTTCACTTTGTGGAAATTCATTGA
GCTGTAACTAAATATACAGAATTATTTATGAATGAAATGATATATAATTCAGTGGGAACC
TGGGAGGATAGGGAGGAGGTGGGGGAGCTGAAAAAACATGTGTGGCCGAATGCTTAACAA
TTGTTATTGTTAGGTTATGGATACCNCGGGGGGTGNGTTGTACCTGCCCGGGCCNGN
Sequence 3302
AGGTACCCTGTTACTGAGGCAATACCTTTCTGGGTAATTTTCTCAATCCTCTGGGTATAT
TGAGGTTGCCTACTGTGGCTGATGAGGAGGCCAGCTATTATTTCTAGCCTTCTCTGTCCA
TTGAGCATTGTCTATCTGCTTCTTTTCAGTAGTTATTTGCCCTGTAGTTTCCTCACATGT
GTGCACTGATCAATACTTAAGCCTGAAACTGTCTGCAGCACTCCAGATCTTTATTTCTCT
TTTACTTTGCAACTTGTTCTCTCTGTAGTTCTACTCTCTTCGCTCTCTCTCTCTTCCCTC
AGCACAACCCTCTCCATCTCTACACTTCCTCTCACCTCTGCCCTGTGAATTCTAATTGCA
TTTGCTGCCCCAAATCCTCTTTAACTCATTCAGAACCACTGAAGCTCTTGGATTTTTNCC
TCTCTTGAACTTGCAGCCTGAGAACCTTTCTTCCAAGCAGCAAAACTGGAGCAATATAGN
AGAATACCAATTTTAATGGTTGGTTNTGGTTTGGTTTTTNGGCTTCCAAGGAATCTTTTG
GCTAGCACTGGCCTAACTTTTTGGT
Sequence 3303
CCGCGGTGGCGGCCCGCCCGGGCAGGTACCCATTAAGTAGTTTTTCGACCCATAAACTCT
CCTGTCCCAGTAGTTCACAGTATCTGTTGTTCCCATGTTTATGTCTGTGGGTGCTCAATG
TTTAGGTCCCACTGATAAGGGAAAACGTGGTATTTGGTTTTCTGTTCCTGCATTAATTTG
CTTAGGAAGGAGGATTTTCTTAAACATCAGTCTGCCTTTTCTCTAAGGCTTTATGATATG
AGGCATCCGTATTCATTGAATATGGAGCTTAGAAATATAGGTATTGAGGGGCCACCACAC
CAGGCTGACTTCTTGATCTTGAATTTTATAAGGATTCTAAAGGGCATGGGTAGTTCCAG
GACATCTGAGACCTTTGAGGGAGGGTGCATTCCTCTGATTTTTGTGCCTCTGCCAGCANT

Table 1

CTGGCTTCTAACAAAAGTGGCA

Sequence 3304

CCGCGGTGGCGGCCCGCCCGGGCAGGTACTAACTTGGTCAGGGCAGGGTGACACATAAAA
TTAACCATCACAGGGAAGGGTAGGGCTGGAGAGGCAGACTGTGGCCAGGTTACAATGCGC
TGAGGCTAAGGAGACTGTGTTTATCCTGTAGGCCAGTGGGTCTTACTCTGAAGTCTTTTG
GGTGGGACATTCATGGACTTCAAGAGACCTGTGAATGCCCTAAGATTATAAGTAAAATCT
GTGAGTCTGTAACTAAAGCTAAAGCTATTTTTTCTGGGGCCCACCATCTAAAGAAGATTCT
GAAGCCTTAGGGTAGCCGTGGAGAAGACATGAAGGTCCATTTTGCATGGTAGAACCCTGC
CTGGCTCTTGCTGCAGTGTGGGAGGACAGGTTTGCAATGTGGAGGTGTGGCAGGCATGGA
TTTGGGAGGATTGGCAGAGGACTCACCATGTCCATACCACTCACTGAGATGGCAAATATT
TATTAA

Sequence 3305

CGGCCGCCCGGGCAGGTACCCTATCCAGAGGGTTCTACCCCATGTAGAACCTCTCTTTTC
TGTTCACCTGATTAGGTGTAGAAGTAGCCAGTCAAATTCATCCTCGCTACCACTGTTATT
TCTGCCCACCTCTAAGCATTTTCTTCTTTCTCATTCACCACTTTTTTAAACATGTGTAAT
ACATCAGTAACTAATTTATAATATTCCACTCCAATCCATCAACCTCAGTAAATTTAATAT
TCACATCATCAGCCCTTCATATCCATACATTACTTCAAATTCTTTATTCTGTTTGACTCC
ATGGATTTGCATCACCTCTCCACAGCAGCAAGGCCAAGACCCAAACACTGAAAGTCTCTG
AGGGCTCCATCTTGAGCCTCTTGAGAATCTCTAACTGGAACCACTGCCACTGCCATTTCT
TTCAATTCCCCACCACGCCTGATTTCTACTGTCTCTTGGTCACTTCATCCCATACCTGTC
ACAAGTCCATTTCAAACGCTGCTTNCACAAACTAAGGTAGAATTTGGGAGATGGTAATTA
AAAAAATACAGATTCCTACACCTTGCCCATGGGAGCTTTTGATTCAAGTANATAAGAGGG
GCAAGGTTTCAAATCTTTGGTATACCCAGGGGAATTAAAATT

Sequence 3306

AGGTACCATGCTGGAGTTTTGCAAAAGCTTCCCAGGTGATTTTAATGAGTGTCAAGAGTT
GAGAATCCTGCCCAAGACTTACTAAGGGGTGGCAAAACCAGCCCATTTTTAACCCTCACT
TTGAAACCCTTCCCACTATTATCAAAAGATTGGGGACGGGAACAAGGGAGGGCATCACTG
GGAGAGGTTTGTTCTCTGCCTTGTTGGGAATAAGCGAACCGGGATTTCTGTCTCTCTGCA
CATTGATCTCCCTTCCTCGGAACACCCCTCTTCCACTGTGTCTATGGGTGAATTCTCAGG
CATTTTTTCAAGGTGGAACTCAGTGTCACCCTTTCAGAAAGTCCTTCCCTACCTTATAGGC
AGAATCGCCTCACCCCTGGTAAAGCGACCAGTCCACTGTGAGGCTTGTTATCCCCGTGTA
TTCCATCTCATGGGGTCTTCACCTTATGTGTGCGTCCTCGTTTAAGACCACAGCTACCTG
AACATAAGCAGGGCCGGGTCCTATGTGTCTTTTTAT

Sequence 3307

CCGGGCAGGTACGCGGGCTTTGACCAAAGAGTGCTCTGACACACTGCATTCCCTTTCCCC
TAGGGGTAGCCCATGTTGAGGGCAAGACCTCCAGAAATCCTGCAGCACCTCCGGGTCTTG
ACAGTTCCCCTGTAGTTGCCACGGTCTCAGTGGGTTCTACCGGGTTGTTTGCANGAAATC
AACTCACGTGGAGACATTAAGGGCTGAGATTCTCTGGGCAGAATGGCAGCACACAGCCAA
TAAAGTGCCCACCTCNNTCAGCTTGGGTTTGACNGTGAGGGTGAATGAAACTTTGCGAACT
GGCCTCCTGATTGCTCTGCTCCCAAGGACTCCTCAAATGGCCACCANNAGNAGTTCCTGG
GCTTTGGGGGGTGCAGAGGAACTCACCANCATTTTGGCAGNNAGCAATCTTGNGGCATGTG
GAAAGGGGAGCAAAGAAACACCCAACCTACT

Sequence 3308

AGGGCCAATTGGAGCTCTTTTTGCNNNGGCGGCCGAGGTACGCGGGCTAAATACTGTGCTC
TGACATTGATGCCNTTATTCCATATTNTNAGGGCTTCTGTGGTGTTTAGGCCTCTAATTT
TTCTCTTCAGTAAGGGGAATAACTTTGCTGTGTCAGCGCAGTGCTCAGGAGGGTTGCAAT
CTAGAAACAGTGATTGTTAAAATTGCCTATAAACACACAATATAAACAATATGCCACAGA
CACAGAGGCCCCCAGCATAGTTTCTGGAAGGTGAAGTCTCACCTCTGCCAGAGTAGAGTC
ACAGTGGGAATTGAGGCTTGGCATCTGGGTGCCTCTGAAGCTCTTCCTGTGGCTCCTGTT

Table 1

AGACAATTGACCCCGAAACACAGAAGATAGAGATTGCACATTGCGTTCAGTAATTGTTGT
TTATTTATGTTATTTCTGAAAATAAAAGACAGCACAGGCTGCTTATCTTTAAACCACACA
GTACCTGCCCGGGCGGCCGCTCTAGAACTA
Sequence 3309
GGCCGAGGTACATCAGAACNTTCCAGTAACAGGATGGCGTTNGCAGCTGNCNTNNGAATG
CTCAGCCTCGCTGGGAATGGGTCCCCTCTTACTTGCTGGGTGACCATGAGCATGTTGATC
CCACCTCAGAGCCCCCGCTTCCTCCTCCTCTATAAATAGGACCATGGATAGTAGCTTGGA
GAATTCAATAAAATATAGTGTGCTGAACACTCAGCACGTGCACTAGGAAGAACCAAAAAT
GAGCAGGACCCTCACTGATATTTAATGTCCCCTAATTTGTCAAGGGACATTATATTGCAT
AAGATTTGCTTTAAAGAAAGTAAATTCCTTTCAGGCAAGTTGTTTGAGTCACCAATAGGT
TTAAATCAAAGGAAGTTTTTGTCCTCACGATTTTGCATTTTTTAGTGCCTTTCCACAACA
AATGTATAAAAGGAACATTATTTTTAAGTGTAACTATTTTGGAAACTTCTTACTTAAAAG
CAATTTTCTACTACAAGTCAAAGGATTAAAGCAAAAAAAAAAGGNGAATCTGCAGCAGCA
TATATTGGATATGNTTTCTAGAAATACTTTTTTAAAGAAGGCAGAGAACCCTAAGCTAAA
AGCAGAATTTAAATTTCTA
Sequence 3310
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ATTTTCCATTACCCANTTTTATTTGTGTCATAACGATATCAAGTATATAAAATTGTCTTA
TTTGGCTCTTTACATGTTTCTCACCTTTATTGCCAATAATTAAGAGTTATAAAAAGCTCT
TTTATTATTCACTGTCAAAATTCTCTTTACTTTTAATTTAAAAATCTTTGCTGTTATAAA
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GAATGTTTAACTGAAATGTCTTATGCAACTAATGTAGACGCTATACGAAAAAAGGAGGTA
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GGTTGGAGTTCGAGACCAGCCTGACCACCGTGGAGAAATCCAGTCTCTACTAAAAATACC
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CAACCTGGGAAAACAAGAAGGGAANCCTGTCTCAAAAGGACAAAGAAAAAAAAAAAAAA
Sequence 3311
CGGCCGNGCCGCCATNCAGGNTTNGCGACCTCGCGCNCGANTNGCAGGTNCANTTNCGTG
CTCTTGCCAGTACTCGGGCGCGGCAGGGAATAAAAGCGCTCGAATATACGTTCCAGCGCA
TACGCGGGGATGCCCTCACCGCGGTCGCGCACGGCGATTTCCACCTGGCTGCCCTGGCGC
TGCGCCGTCAGCTCGATGCAGCTACCCGGTGGCGCGAAGC
Sequence 3312
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TCACTGAGACCTAGTGAGGGAACTCCCTGTGTTATTCTCACTGATGGCCCAGGAACCACC
CTTGCAAGTCATGACCACCAGCATCATGTAGCACTGGAACTGATCTGGGCAATGACCTCT
GTCTAAACTTCTGAATCCCCTCCGACAAAGACCCAAGACAGCAGCATGGCCATGCAGCTG
TGCTCACATCTCACCCCTGCACTGGCCAGGAACACATCTATCTTTCCTTTGGGTAGGGTC
ACCCAACTGCTCTGCCACTTCCAGCTGTGAAAGGCATCTATGTGACAGACCCCTCTGCAG
TTTGAAACTGTGTGACAACTTTAACACCCAACTCAGCATCTGCATGGGTTTCTGAGAATT
ACCTATATCTTTTGTGGTCTCTTTGCTGATTCTCTGTTTCATTAAAAAAAAAAAAAAAGT
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ATTTAAAATGACAAACCTAGCAACAATTAGGCAAGCTCTCATCAGGACTTCATGCCAGGC
TGGGGTGAATGGCTTAAAAAAGTCTTNCACAGCGGATCTTGGAACCTTGGACCATNGGGG
CTTGGTGGCCACATTTGACCTAANGGGCTNATNGGGGGNAACC
Sequence 3313
NGGCGGCCGAGGTACAAAGAAACAGCTTCAATCCTTTTGGGGAATGGCAGGTTTTTGCAG

Table 1

ANTNTGTGTTCCAAATTTGGGGTCATAGCAAAACCCCTTTATAAAGCAACAAGGGGGTCA
GAAAATGAGTCAATGGAGTGGCCCTAGAAATGAGGGGAAACTTTGCCAAGTTAAAACAGG
CTCTTAACAAAGCTCCCACTCTTGGCATCCCAAACTTCATTAAGCATTTTTCCTTGTATA
TAGCAGGAAAAAAAGGGCATAACTGTGGGAATACTAACCCAGAAATTGGGATCAGAACCC
ATACCAACCATCTACTTTTCAAAGAAATTGAACAGAGTAGCCTCACAGTGACCAAGCTGC
CTGCAGGCAATAGCAGCCACTGTTATTTTAGTGGAAGAAGCCACTAAAATCACCCTGGGT
CAACCACTGAAAGTGTTAACTCCACATCAGGTAAGGTCAGTCCTGGGAATAAAAGGACAT
ATCTGAACGATGGGAGAAAGGTTAACCAAATAACAGGCTATATTCCTAGATAATCCAGAG
GTTACCCTTAAA
Sequence 3314
TTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGTTTAGTCAGGAAGCAGGCATTAAACAC
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GGAGTATCTGAGAAGCCCTCTGTGAGTGAGTGACTTTTTTTTTTTTTTTTTTTTGAGATGG
TGTCACACTTTGTCTCCAGGCTGGAGTGCAGAGGTGCGATCCAGCTCACTGCAATATCCC
CCTCAAGCAATTCCCCTGCCTCAGCCTCCCGAGTAACTGGGACTTCAGGCACATGCCACC
ACGCCTGGCTAAATTTTTTTGTATTTTTTAATAGAGACGGGGTTTCA .
Sequence 3315
CCGCGGTGGCGGCCGCCCGGGCAGGTACTAGCTGTTTTTGCGACTTTTAATAATAACACC
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ACTACATGCAGGCCCCAGGTCAGTGCTTTACACTCTTAACTGTCATGTTGACAACAGCTC
TGAATGACAGGAGCTCTGTTCAGTGTTTTACAAGTGAGAAAACTAAAGACACTAATNAAT
TTTTTAAAAATATATCCACAGGTTCTATTGATTAAGTAAAGTAAGGGGAGCTAGTNCCTT
GGCACGCTCTAATAAACTTTGTTGGGATTCCCCCCCCCGGGGCCTTNGCANGGAAATTTTC
GTNTAATTNCAAAGGCNTTTAATTGGAATTACCCCGGNNCGAACCCTTNGAAGGNGGGGG
GGGGCCCCGGGGTTACCCCCAANTCNTTTTTTTNGTNTTACCCCTTTTTAAGTTGAGGGGG
GTTTAAA
Sequence 3316
CCGCGGTGGCGGCCGAGGTACTAACAGTCAGGAACAAATAGAACACATAGAGAGGACAGT
GGGAGGTCCCCCTGGCTAAAGCAGAGGGTGTATTGAGAGAAGGAAACCTTTGTCTCAATG
GATCGTAGGCAAACTGAGAAGGACCATAACACCTTGCTGAGAAGTTTGAATGTGATTCCT
TGGTGACCACAGCAGGAGGTCCTGAAGTCCCTGTCCTTCAGATGCAAACAAGGAGGCTGT
CCCATACAGACTATCAGGGAAAAAATGCACTGTTTATCAAAAGATATGAATGTTCTTGAC
AGGCAAAGCCCTGCTCAAATGAAAT
Sequence 3317
CCGCGGTGGCGGCCCGCCCGGGCAGGTACACTTCCCCCTCCTCCTCCCCCGACCATGCCT
GAATTCAGACCTCTAGCCCTTGGATCTGTTATCTGACCCAAGAAGTCTTGTCAATTTTAG
AAGGCTATCACCTCTTAACAGCCATTTCTGCTGCTTCCTGCACACTTTCTAATTTCTCCT
CTGCTTTCCCTGGAAATCTGATGCTTGACTTGGACACAATTCAACCCTGTCTCCTTATAG
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CTTCTTTAAAAAAGTATTTCTAGAAAACATATACAATATATGCTGCTGCAGATTCACCTT
TTTTTTTTGCTTTAATCCTTTGACTTGCAGTAGAAAATTGCTTTTAAGTAAGAAGTTTCC
AAAAATAGTTACACTTAAAAATAATGCTCCTTTTATACATTTGNTGNGGAAAGGCACTAAA
AAATGCAAAATCGTGAGGGACAAAAACTTTCTTTGATTTAAACCTATTGGTGACTCAAAC
AACTTGNCTGAAAGGAATTTA
Sequence 3318
TACGACTCACTATAGGGGCGAATTGGAGCTCCACCCGCGGTGGCGGCCCGCCCGGGCAGG
TCCGGGCAGGTACTCTTGTTTAACCATCAGAGGTGATCCCATCACCTTCACAGCCCCAGC
CTCTGCTCCAGTCCCTNCCCAGCGAAAAGGGCCGCCCATGCCATCCTGCTGCTGGTGATT

Table 1

TGCTTTGTGGTCATGGACTCAGTGGACATCATTATTTTATTAACCGTGTGGTAGGTTTTT
AACTCANTTATCCTGGATATCCAAAGGTTTGTGGTCCATCTTTAGGCTTCCGTTTGTTCT
TTGGTACCTCGGCCCGCTCTAGAACTAAN
Sequence 3319
AGCTCCACCCGCGGTGGCGGCCCGCCCGGGCAGGTACCCTGAAGGCCGCTTACTTGGAAC
CGTATCTTCTAAATGCTCTGAAAACCTATCCAAAGGCAATTAAAATCACAAATATCATTG
AAAACATCTAAGAACTACGTGTAAGCACTTCGGGATAGTCAGGTAAAGGCGGCCCTCTAA
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CATAATGGTTAAGCCAAATAACACTTAATCATTTTACCTTNTATTATTGATAAAGGCAAC
ACACTGAAGTAGACAGACAGTAAAGAAAAAGTCCACATCTTTTTATTGGGTCCAAATAAC
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TAGTAGATGTGGCTTTGTCCAGCCTCAAAAAGGGTTGCTCTCCAGCCAGGGGCCCCTTTT
TTCCANNTACTGCTCCCATCTTCTTTAAGTATATTCAAACTGGTGAGTGAACTCTTTATC
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TATCAAGCTTTATCGGATCCCGTCNAACCTTCGANGGGGGGG
Sequence 3320
GCGGCCCGAGGTACCAAGAAGAAAGCCATGGGCACTGTCAGTAAAGAGATCTAGAATGGG
AACAAGACAGGGAGAAAGCCAGGTGCAAGACACAGGAAAAGTTCTAGAAAGAAAGCTTTT
TGCATCTAACATCAGTCTCCCAGATTCAACCCATCTCAATATTGAAGAAATTGTCATCCT
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AGTGGGGAGAACATACTAGAAGTGGGTTTTTCTTGTCATGGAGTTGAATTTTTTTTTTAA
GCAAGTTCATCTTCTTTCTAGTGAAAAAATAAACCAAGGATAGGGGAA
Sequence 3321
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AATGAAGTGAAGTGGTATTTATCCATTTCTGGAAAGGTCCAGGGTTTGGCTCTGCAGGGC
CAAGAGAACAGCTTTAGCTGTGCCTTAACCCAGTCCTGGAGAAGACAGCAGGCCGTAATC
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TTGGTAAAATTGNCTATTAACNCNCCATTTTAACCATNTGCCNCANACACAGAAGCCCCC
AACATTAGTTTTTGGAANGNGAAAGCTTANCTNTTGCCAAATAAAATCACAGTGGGNAAT
TGANGCTTTGGCATTTTGGTGNCTTTTGAAGCTCTTCCTGNGGCTTCTGGTAANACAATT
GANCCCCAAACCCNNAANATTGAAATTGCCCATTGGGTTCANAAAAANGNGGGNAATTAAG
GNAATTCTGAA
Sequence 3322
CCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCT
GAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAAC
AATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGAC
TTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCATC
TGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTT
AGGATCTACTGGGGGAGTCCGGAGGAAGCAGTCTCTTCTGTCCGCTTGGAACCCCATGGT
CCACTGAAGTTCCTTATGCTACTTTCACTGAGCATTCCTATGAAATACACCAGTGAGAAA
TTCCTT

Table 1

Sequence 3323
CCGCGGTGGCGGCCGCCCGGGCAGGTACCCTGAAGGCCGCTTACTTGGAACCGTATCTTC
TAAATGCTCTGAAAACCTATCCAAAGGCAATTAAAATCACAAATATCATTGAAAACATCT
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ATTTTGATAATTAATAGAATTCTAAGCCAAAGCTTAAATCCGGATACACATCATAATGGT
TAAGCCAAATAACACTTAATCATTTTACCTTTTATTATTGATAAAGGCAACACACTGAAG
TAGACAGACAGTAAAGAAAAAGTCACATCTTTTTATTGGGTCCAAATAACCTGATTGTAA
ATACTTAGCCTCTGATTTTCATGTTTCAGAATTTGGTATGTTAATGACCTTAGTAGATGG
TGGCTTTGTCCAGCCTCAAAAAGGGTTGCTCTTCAGCCAGGGCCCCTTTTTTCCAGGTAC
TGCTCCCATCTCCTTTTAAGTATATTCAACTGGGGAGGTGAACTCTTTTATNCCGGCGTA
CCTTNGGGCCGNTCTAGAAACTAGTGGGATCCCCCGGGGCTGGAAGGAATTCGAATTTCA
ANGCTTATCGATTACCCGTCGACCTTCGAGGGGG
Sequence 3324
CCGCGGTGGCGGCCCGCCCGGGCAGGTACTGTGTGGTTTAAAGATAAGCAGCCTGTGCTG
TCTTTTATTTTCAGAAATAACATAAATAAACAACAATTACTGAACGCAATGTGCAATCTC
TATCTTCTGTGTTTCGGGGTCAATTGTCTAACAGGAGCCACAGGAAGAGCTTCAGAGGCA
CCCAGATGCCAAGCCTCAATTCCCACTGTGACTCTACTCTGGCAGAGGTGAGACTTCACC
TTCCAGAAACTATGCTGGGGGCCTCTGTGTCTGTGGCATATTGTTTATATTGTGTGTTTA
TAGGCAATTTTAACAATCACTGTTTCTAGATTGCAACCCTCCTGAGGCACTGCGCTGACA
CAGCAAAGTTATTCCCCTTACTGAAGAGAAAAATTAGAGGCCTAAACACCACAGAAGCCC
TGATAATATGGAATATTAGCATCAATGTCAGAGCACAGTATTTAGGACAGATACTGATAA
AGACAGCATAGATGGACCACCTTCACCTTGTCACCACCTGAGCGAGGAGCCCTTAAAAGA
TGGGTT
Sequence 3325
CGAGGTACATGTGACCCAAGGACCAGCCCAAACGCAGATGCAGACAGATTCCAGACTCTT
CAGCAATCCTTCCCTTATCTGGGGCAAAGGCTGTGATGCCTACACAGTCTCTGTCATTTC
ATCCCTGATGCTCCAGTTTTTAGGAGAAACCACCTCGTCATGTTCAAACTTCCAGAAATG
GTGGTCCTGTGGAAAGAATCCTAGGCCAGCAGCTAGGAGACCTGCTGTGAGTCCCAGCCC
TGCCCATCACAGCTATGTCAGGTGGTTCAGACATGTTGGGCTTCAGGTCCCCATCTATAA
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TAACTAATTACTTCATTATAGGTTTTCAAGACCAGTTACCTCCTGTTTGGTTCAATTAGC
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GGGAAATAGTTCANGATCTTAAGCAGATTTTGGATTTATTATTCCAAGGGAGTATATGC
CAGGAACCAGGGTTTGTCATGCATTTCTCAAAAGTTCTTTGCCTAGGAAAAAGCTCACTC
CCATCGGTCTCTTCCATTCTAGGGGATGCCTTAAGACTCTTNNATTTANAAGTCTAGAGC
CNGANGAGAAGGAATAATCATGGGTAANACTGGCTTTAATGGAANACNTTT
Sequence 3326
ACNGGGGGAAATGACACAAACTGACAAGTATTTATTTAGCCTCATTCCCATCACTCACCA
CTGCCACCCANAAAAGTGTCACCTGAGTTTTATTGCATGCAGCCCCAACACTAAAGAAAG
ATCAGAAATNTTTGTTCCCGTGGTGGAAAATAAAGGGCTATTTGCCCACGTCGCCAGGCT
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ACAAGCATGGCCATGCCANCCAGGGAAAANTGTGCTTTACTCCAGGAATAAGGGAGCAA
GGCCCCATANTTTCNTCTTNNTTTCNGGGNCTTCCTTTTGAACTNGAATTGNTTTAANGG
NNAACCTCTTGAANAAAATTGGGGTCCTTGCCTTTTTGGGGGANCCTTAAAAAAAAAA
Sequence 3327

Table 1

CCGCGGTGGCGGCCCGAGGTACGCGGGTATTATGGAGATGCTCTGTTCCATCCAGGGAGG
TGCAGGTGAAAAGAGGGCAGTTCATCCTCCTCACACTTAGGGCAGGGAGCAGCATGCAGG
GGCAGATCAGCAGCTTTGCATGTTGACAAATCCACTCTCTGCTGCAGATGCCTAGGGGAA
GTTGCAGACTTAAATTTTCTTTTGTAAAATGGGGGAACACAAACAGATCTTATGTCACAC
TGGTTACTCCAGAAAAAAAAGAAAAAGAAGGAAGGAAGAAAAGAAAAAGAATAANTATT
ATATATANAANANAAAAGTACCTGCCCGGGCGGC
Sequence 3328

TATAGGCGAATTGGACTCACCGCGGTGGATACCCTCCACTCAAGGAGGTAGAACTCAGTC
CTCTCCCTTGTGAGTCTTCACTAAAATNAGTGACCCACTTCCAAAGAGTGGGAGTATGGA
AAGGGAAACATANTANCTNTACAGGGGAGAAAAATGACAAATGACGTCTTCACCAAGTGA
TCAAAATTAACTGTCACCAGTGATAAAGTCATTCANATTNGTTCTAGATAATCTTTCTAA
AAATTCATAATNCCAATCTAATTATGAGCTAAAACATCCAGGCANACTCAAGTTGAAGGA
CATTCTACANAATATCCCCTGGGGTATTTTAAGAGTATTCCCTCAAAACTGTAAAAATNA
TGGAANAATAA
Sequence 3329

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACTAAAAATGGCACCTT
CTGTCTTCTGACATCACTGGACAGTATAGGGGGGGAAAAAATCAACCTTAAGAAAAAGAA
ATTTGATATGAAAAAAAGAATTCAAAACATCCCAATTTGCAATTCAACTGGTAATATAAG
CTGTGTCATCTGATACTCTTCAGTGTCCAATTAAAATCACACTCTATCTGGCAATCTATA
GTCACAACTACCTAAAAATGTCTTAAGGAAGTAGGAATAAAGAAGGCATGTAGCTTTAAC
TGAAGCACTACTTTGTTAAAGAATAAAAGCATTTTTTTTTTTAAATGTCACCTGACACCAAA
TATCTGGTTGGAAGAGGTGCTGTTTTAAATTTTCAGGGGAACCCTCAAGATTTATGCAAG
AATTGAAAAAAATAAAAGTAAATTTTCTCTTCCTTGTATAGGCTTAGCATTATTGAATAT
ACTATGCCTACTCTCAATAAAAATGAAACAACTCAAAATATTTAAAAGATCTTGTTTCCT
AAGCACTTCAATTCTCAGGTTATACTAAACTTTATGATTTCATATTCCCTCAATAAATCC
TAAATTCTCTCAATAAAATCCCCGCGTACCCCACAAGCTGCATTCAAACCTCAAATCTGT
GGGAATGAGTGACTCGACAAAATGGTAATTCNGGATCAAACCTCATCCCCTGACTGNGTG
AAAAAAGTCCTGCCCGGGCGGGCGCTTCTAAAATAGGNGGATNCCCCCGGGCTGNA
Sequence 3330

ACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGATATACAT
TCTCACAGTAAACAGTTTTCAGATATTGAACAACAAAAGTAGGCAGTGCTAGCCAGAGA
TTCCTTGGAGCCAAAAAACAAAACAAAACAAACAATAAAAATTGGTAATCTTATATTGCT
TCAGTTTGCTGCTTGGAGAAAGTTCTCAGGCTGCAGCTCANAGAGGAAAAATCCAGAGCT
CAGTGGTCTGAATGAGTTAAAGAGGATTTGGGGCAGCAAATGCAATTAGAATTCACAGGG
CAGAGGTGAGAGGAAGTGTAGAGATGGAGAGGGTTGTGCTGAGGGAAGAGAGAGAGGGCG
AAGAGAGTAGAACTACNAGAGAAGAACAAGTTGCAAAGTAAAAGAGAAATAAAGATCTGG
AGTGCTGCAGACAGTTTCAGGCTTAAGTATTGATCAGTGCACACATTGTGAGGAAACTGC
NGGCAAAAAAAAAAAAAAAAAAAAAA
Sequence 3331

CCGGGCAGGTACGCGGGAGACTAGAGGGAATTGCACCTCCTCACTGCACAAGATTAGCTA
ATGCGGGTGAAGCTATTGGAGTGCTTCTGAAGAAATCAAAATTTTGTTATTATGATTATA
CTGTTAGATATTTCTTTCTTGAGATTCTAAATGAATTTGTTTAATGCCTTATTGGTCCAT
TCCTGCATCTCTGCTTCCAGAAGCCAAGAACAAGTTCTCTGGATCACATAGGCTCCTCTG
CTGCTTCCTCAGAAACAGAGATGGTACCT
Sequence 3332

CCGGGCAGGTACTCACAGCTGCATCACACTGAATATCATCTCCCTGCACTGCCATTTCAT
TTGAGCAGGGCTTTGCCTGTCAAGAACATTCATATCTTTTTTGATAAACAGTGCATTTTTT
CCCTGATAGTCTGTATGGGACAGCCTCCTTGTTTGCATCTGAAGGACAGGGACTTCAGGA
CCTNCTGCTGTGGTCACCAAGGAATCACATTCAAACTTCTCAGCAAGGTGTTATGGNCCT

Table 1

TCTCAGTTTGCCTACGATCCATTGAGGCAAAGGTTTCCTTCTCTCAATACACCCTCTGCT
TTAGCCAGGGGGACCTCCCA
Sequence 3333
CCGGGCAGGTACGCGGGATGAAAACCAATGATTTTGGAAAGCCAAATTGTTGAGAAGATA
AGGTGGGGATTCCGACTACTAGTATTTTTACAAATCTGATTGTCGTTGCAGGTTTTGTTT
TATTTTGTTGTGTTAATGCTGAGAGTGGAGAATAGATTGGAATATTTGCCTCTTGTGTTT
CTTTTTGCTTTGTAACATTGCAAGTGGTCCACATTTTCCTTTATTTAAAATTTAAAGTTG
GTGCCTGGGGTTTCTGGTGTTAAATAGAAGTGATACTTCTGCATAAAGTATTATGGAGAT
GCTCTGTTCCATCCAGGGAGGTGCAGGTGAAAAGAGGGCAG
Sequence 3334
TTTTTTTTTTGGACAGTGAGAGTGGTCTTATTTCTTCCCCTAGTTTAGGTCACAGCAGTTG
AGTCAGGGTATCATGCTATCGCAGGGCACAAATTTCTATCATCATCCATAGATCACTGGA
TTAGTTGAAAAAGTCACTCAAATGCTGACCAGGAGCACATGAACTTCTGTTTATTTCGGA
CTTTCTGATAAATGGTGGCCAGGTACCTGCCCGGN
Sequence 3335
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CCCACAAGTGTGTCACCCCGTGTGTCCCTGCACTGCGGTAAGAGTGGTGGAGGAGACGGG
TGCTTCCTCAGATGTCACTCTGGCATTCACCTCTCTTCAGGACTGCAAGGGGCCTACTCT
GTCACCTGTGGCTCTTCCTTTCCTCTCAGGAACAAAAAAAAAAAAAAAAANANAAGTAC
CT
Sequence 3336
AGGTACGCGGGGAAGTTTGATTTTTAGAACTCATGTTTATATGGGTACATCCCATTTTTT
TTGATATACATTTAAAATAATTTCTTATGTTGATTTACGTAACAGTATTCTAATGTTTGA
GCATATATCTTAGACTATAAATTTTAATTGTTATAGTTTGTTCCATTTTTGTTGAACGGG
AAAAACTGATACATATCTTTAAAATTGTATATTTAAATTACCTTACATATGAGGAATTTT
TATACTTGAAAGTTATTGTTATTAACTTGTTTTCATAATGTGAGATATTCTGTCATAAAG
CACTTATGTTTTAAGTTGTAATTTAAAATACCCTTTCTTTTTAACATGCAC
Sequence 3337
CCGGGCAGGTACTCACCTTGTATTAGCTGAGTGACTTTGGTTAAGGACAGTTACTTAATT
ATCCTGGGTCTCAGTTTCTCTCTTTGAAAAACAGATTCATTCACTAAAATAATATTTATG
AAGTATTCATTTTGTGATAAGCACTAGTCTAGCTACCGGGGATATACATTTACAAAACAG
ATTTTAAAATATCCTGTCCTGGTGGACCTCACATTACGTTCATTACTAACCGGGATAATT
TCAGTGCCTCTCTCATAGGATTGTTGCAAGAATTAAATTGATGAATACATACGTAACACT
TATAACAGTGTCACAAAATGAGAGCTCAGTAAAAGCCATCATCACCA
Sequence 3338
AGGTACTGGGGGCTCCTAAACCATATATATCTTGCACCATTCTGGGGATATTTGCCAGGC
CTGGGGGATCAAAATATACCCCAAATATTAAACCAGTTGAAGGGTGATTTGAGCCTACTT
TTTGAACACTTTGTATCCCCTGTGTGCCAGGAAATTCAGGGTCTTTTTCGTAACTTGATC
AGATGTCTCCCAGGTTGGGCTACACACAAAAAAGTTATCTACATACTGGAGTGTACCTGC
CCG
Sequence 3339
CCGGGCAGGTACATACAGCTTCATATCTGCTAATGGAGAAAATAACTTAAACTTGGCCCT
GCCAGGCAACCCATTTTCTTCCAGTTTAAAACTTAGTCTTTTTCAGGTTAGCTAGGCCAA
TTCCAGGTGCTCGTCCTACCTTCTTTCTCCCATTTCTACACCACCCTTCTTTTTTGTCTC
TCCCTGGGAGATATCTGAGCTTAAGGAAAAATTCGTTAAGAGTGGGGATCGGAGAGACCT
CTGTTCCACTAGTTGCCTTCTGGACATTTTCTGGTCTCCACTGTTGATGTATCCATCCCT
TCTGGCCTTTGGGTGCACTGAGGCATCTTGCTATTGTCTATGGTTATGCCATAGCTCC
Sequence 3340
CCGGGCAGGTACAGGTTAGCCAACAGGCCAACAAACAACTATGTCAATTACTCCCTAGGG

Table 1

TAGTCCACTGCAACTGCGAGAGTCCACACACATAATTATTAGTGACACAAGCATTTGCTT
TGGCCAACTTGATGCAACTTCCCACCTGAAATAGTAAACTATATGGGCAAATAAGCCCCC
TTTTTTGCATTTTTATCAAACAGGATTCAGTTAGGGTATTTAATCTAATCAAACAATTCA
CAAATAGTTAATACATTTTTAAAATGTAGGTAAAGTAAATATTTTTATTTAGATTCAAAT
AAAAGCATGGATATTTGAATTTTATTTCAACCAATAATTGCAGGTATAGGG
Sequence 3341
CGAGGTACTAAAGAATGTGCATTTATTTGTGGGGAGGAGAGGAGGTCTAAATAGACAATA
AACATATAAATATTAATATTGTGAAAGTGGTATGAAGAAAAATAAAGCATGATAAGGAGA
GAGAGGTGTTCCCTGGCTCTCCAGGGGGCTGAGGTGGAAGAAAAGGACTCCGGTTTTAGG
TAAGATATCAGANAAGACCTCTCTGATTGACTGAAATGTATGCAAAGGCCTGCATGAAGC
CAGGGACCATGCCGTGCTGACATNTG
Sequence 3342
CTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACCAAGAAGAAAGCC
ATGGGCACTGTCAGTAAAGAGATCTAGAATGGGAACAAGACAGGGAGAAAGCCAGGTGCA
AGACACAGGAAAAGTTCTAGAAAGAAAGCTTTTTGCATCTAACATCAGTCTCCCCAGATT
CAACCCATCTCAATATTGAAGAAATTGTCATCCTATTCCCAAATAAAGTGAAATGAGGTT
TTTTATGTAAAGTGCTTAGAATGGAGTGTGGCACACAGTAAGGATCACCTTTAAGTATTA
CCTATAGATATACTGATAAATACATGGATATGTCAAGGGAGAGGTTGGCCTTTTAACTTG
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GGAAGCTCTATAGAAGCACAGCAGGAATTTCAAGAGGTATGCTGCCCAATGTGTGGCTGG
CAGAGTGCTCACCCAAAGGCTCCATTGGCATTGAGTGGGGAGAACATACTAGAAGTGGGT
TTTTTTTTGTCATGGAGTTGAATTTTTTTTTTTAAGCAGGTTCATCTTCTTTCTAGGGAAA
AAAATAAACCANGGGATAGGGGGAAAAA
Sequence 3343
CCGCGGTGGCGGCCGCCCGGGCAGGTACCAGGTTCAAATAGTCAGCAGCTCATCATAATC
AATGAGCGAGGACATAAAGTAGGAAAAATGCATCACCATGGTGAGCAAGGAAAGCAAGTT
ATTGGAGGCACATGTTAACACATAAAATATAAAATTAATATGATCACACTGGAAAGGCTT
GCCTGAGCCCACAGTTTGAATGCCTACAATAAGATGAGATGCACAACAAAAAGCAAGAGA
ACCTGATCAAGTGGGTGACCTGGCCATGGTGCTCTCATCAGTGGGGACCCAAATGCTTAT
GTGGACTCACNAGGTATCGAATTAGACATGAATAGGAGTGTTTGTTGTGATGGCAAGAAA
CTATATAATCAAATGAATACAATGAAACTTTAAAAATAATTGTAAGATCTTTACACCAGC
CAA
Sequence 3344
CCGCGGTGGCGGCCGAGGTACTAACAGTCAGGAACAAATAGAACACATAGAGAGGACAGT
GGGAGGTCCCCCTGGCTAAAGCAGAGGGTGTATTGAGAGAAGGAAACCTTTGCCTCAATG
GATCGTAGGCAAACTGAGAAGGACCATAACACCTTGCTGAGAAGTTTGAATGTGATTCCT
TGGTGACCACAGCAGGAGGTCCTGAAGTCCCTGTCCTTCAGATGCAAACAAGGAGGCTGT
CCCATACAGACTATCAGGGAAAAAATGCACTGTTTATCAAAAGATATGAATGTTCTTGAC
AGGCAAAGCCCTGCTCAAATGAAATGGCAGTGCAGGGAGATGATATTCAGTGTGATGCAG
CTGTGAGTACCTGCCCG
Sequence 3345
CCGCGGTGGCGGCCCGCCCGGGCAGGTACCCACAGAATGTGGCCCCAAATGATTCAATTA
CAGCTAGAAGTTGTTCTCTTCCCAAAGCACGAGTCTTTTGCATTCACAGGATATTTTTTC
TTTCATAAACATTCCTGCGAGAATGTAAGTGCGGATGAAGATTGNGTTCTGTCTTCTTCT
TGTCTTTTTTTCTGTTTACTCTGATTTTATAAAATGCAGTGTCATGTCTTAGGACAAATTA
TCCTCAGTTTGCCAGCAAGGTGAGTTTATAAATTATTTTATTCAAATGAGAAAATTTCCG
CTAGAACCAATAGTAAAGGATGGTGAGTTTCCAGNTGACCCACAATGACGTATTTAAC
Sequence 3346
CGAGGTACTTGATCGGAACCCGGCTGCCTCTAAGACTTGGTCTTGGGCAACCCGTGGGTG

Table 1

GGCAGGAAGGGAAATTATTTATTTTATTTTGTTAAGGGGGAGTGAAGAAAAGAAGACGTGA
GGACCGCAGTTCACTGTAATGTAGAGTAATTGCAAAAGTGGGCTGCCTGCCCCTAGCTTT
TCCCGCTGTGGTTGCGGAGGTGGTCTTGGTT
Sequence 3347
TCGACTCACTATAGGGGCGAATTGGAGCTCCCCGCGGTGGCCGGCCGCCCGGGCAGGTAC
CGATTGTTGAATGTTGCAGCCCTATACCTGCAATTATTGGTTGAAATAAAATTCAAATAT
CCATGCTTTTATTTGAATCTAAATAAAAATATTTACTTTACCTACATTTTAAAAATGTAT
TAACTATTTGTGAATTGTTTGATTAGATTAAATACCCTAACTGAATCCTGTTTGATAAAA
ATGCAAAAAAGGGGGCTTATTTGTCCATATAGTTTACTATTTCAGGTGGGAAGTTACATC
AAGTTGGCCAAAGCAAATGCTTGTGTCACTAATAATTATGTGTGTGGACTCTTGCAGTTG
CAGTGGACTACCCTAGGGAGTAATTGACATAGTTGTTTGTTGGCCTGTTGGCTAACCTGT
ACCT
Sequence 3348
CCGCGGTGGCCCGGCCCGCCCGGGCAGGTACCAGAGACTCCTATTTATTTATACCAGTAA
GGGCCCTCCCACTGCCTTTGTCTCCAGTAGGTCAGCTGCATCATCAGCTTTAAAAGCCCC
CAAATATTGCTGAGCTTGTTTTTTTAAAACTTCTCTTGCAAACTTTATAAATTTGTTTCA
GAGCACTATAATAAAATATTTCTTGCAAACATGGACTATAAGTGCCAGAGACACTGGAGA
AATCTGAGGGTGGGGAGAAAGGATAATCTATCAGCTTGGAAGCTCCAAAGCACTGTCTTT
AGTAGCGCTATTGGTGA
Sequence 3349
TTTTTTTNTTCCTTGGNTNCTTGCCTTACTTTCAGAAATACAAACAGAACTTTCTAAAAT
CAGCAAAGAAGCAATTTTTCACCTTCCAACTGCCAACATACTAATACACAATACTTGGCA
GAGCTGTCCAAAGCAAGTCAGACCACATACAGTATACCTAAATCCTGACACCTCCAACTC
TNTTAACAAATAATTTTTTTTTCTCCGTGGTAATGGTCTNTTGGAAGTTAAAATATAGNGA
GAAATGTGTAAACATACCAATNTATTAAAATAAGACAAGTGAATCCCTTTAAGAATCATG
A
Sequence 3350
GGAGCTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACTCCCGGGTGAACCCTCTGCAGTCT
GCCATTTCTTGGAATCCTCTTAACCAATCTTAGAATTATCTCCCAGCATCAGATTTTGCT
TATTAAGGAAACCAGGCATTGTGAAATGCTCCTTTCTACACTAATCTGAAAGACATAAAT
AGTGGCAGAGAATGTTAGACATAGAGCGGGAAATTTCAGAGACTTTTGTTGGAAGAATCA
TCACTCTCCTGCAGGAACTGCAAAAAACACTTGATCTCTGTTTACACATGCCTGCAGACA
CACAGAGAGGCCCTAATCAGCGGCTTGTGGACAGCCTTCTATCATAGCTACCCACTTTTC
TCTGTGACCTTCCCTGTTCTTCCACTCCATGTCTATCCTGACTCTCATTCACGCATCACG
GCTTGGGACACTTGTGCTGCCTTTATCATTTGGGAAAACATGGCGCAGC
Sequence 3351
CGAGGTACGCGGAAATGTTAGACAAATGTAGCCAAACCAAAAAATACACATGTTCTATGA
ATCCATATATGCAAGGTTCACAATAGGTGATAGTAGCTACTCTTTTGGGAAGG
Sequence 3352
TAGGGCGAATTGGAGCTCACCGCGGTGGCGGCCGTCGGTGCCGGCAAGGACAAGATCGAC
AACACGGAACCGGCCCTGTACTCGCAGTACATGGATTGGATCAACCTGATGACCTACGAC
TTCCACGGCGGCTGGGAAACGAGCACCAACTTCAATGCCCAGCTGTTTGCCGACCCTGCG
ATCCGTCGACGGGCATGGCGCGCGAATACGTGGGCGACAAGGCGGTGCAATACATGATTG
CCGCCGGCGTGCCGCGCGACAAGCTGCTGCTGGGCATCCCGTTCTATGGCCGCGGCTGGA
CGGGCGTGGCGCCAGGACCGAACGGCGATGGCCTGTACCAGGCGGCCACGGGCACGGCGC
CGGGCACCTACGAGTCGGGCATCGAGGACTATAAAATCCTCGTCGCCAAGACCGGCACGC
GCTACTACCATCCCGTGACCAAGCAGCTGTACCTGTACACGGGCGCGGGTGGCAAGTGGT
GGAGCTATGACGACCCGACCGTCAT
Sequence 3353

Table 1

TNCTATAGGGCGAATTGGAGCTCACCGCGGTGGCGGCCGTCACCTTGATCCTGTGGCGCG
CCACCGTGGGCGTGATCAACGGCAGCATGACCCTGGGCGACCTGGTGCTGGTGAACGCCT
TCATGATCCAGCTGTACATCCCTCTCAATTTCCTGGGCGTCATTTACCGCGAAATCAAGC
AAAGCCTGGCCGACATGGAACGCCTGTTTTCCCTGCTGAACGAGAACCGCGAAATCGCCG
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nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnGAGGGTTAATTGCGCCGCTTGGCGTAATCATG
GGTCATAAGC
Sequence 3354
AGGTACTANGGTTTTGGTTGGGTAGGAGAGACCAAAACCAGGGAAAAGCTTAGAAATCCT
TTATTGGGGTTTCTGCAGGAAATGCAAGGCAGGTCACAGTTAACAGCTTATTATTGGCTA
GTTTGAATAATTCCAGTGGGCCCTGGGGCACAGGTATCTAGTTGTCTGGT
Sequence 3355
CCGGGCAGGTACCCTCGGTTGCAAGCACAAGCAAATGTGCCAGGGTGGTTGATGCAGCTG
TGGTCACAGGTCCTATCCAAAGAGCACTCATCCACATCTTGGCAAGACTTCTCATCTGTT
AATAATTTAAATCCTTTCTTGCAGCCGCAGTCAAAACTGCCCACGATGTTTTTGCAGAAA
TGATCACAACCTCCCCCGCGTACCTnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnCGTAATCATGGTCATTAGCTGT
TTCCTGTGTGGAAATTGTTAT
Sequence 3356
ACCGGCNAAGGGCGANTTGNAGCTCCCCGCGGTGGCGGCCGCCCGGCCAGGTACTGNGTT
GAAACTGTAGATCAGTTGGGGAATATTNCCATCTTTACAATATTTTCTTCCGATCTATTA
ACATGAGGAGTCTTTCTATTCATTTAGTTTTAAAATAACTTCTTTCAATGTTTTTTTCACT
TTTGAAGTATAAAATTTGCACTTGTTAAATTTATTCCTGTGTAATTNATCATTTTTAATT
CTGTTGTAAAGTTGTTAATGGAAATGCTTTCTTAATTCATATTTGAATTGTTCATTGATA
GTGTATAGAAGTAAAACNGATATTTGTATGTGGAACTTGTATTTTACAACCTTGCTGAAC
TAGTTAATTTCCTCTAATAANCTTTTTTTTGGTGGATCTTCAAGATTTTCAAATATATAAA
GAACCATGTCATCTGCAANATAGGAGAAAAATTTTTACTTCTTTCTTTTTCAATATGGGA
TGCCCTTNAAATTNNGGGNTCTTGGTTTAAATGGCCCCCANCTTAGAACCTTCATTGGAAT
AAAAAAATTGAAAATTGGGCCCCGGCCCCAGNGGCTTCATTTCCTGNAATNCCCAGCCCC
TTTGGGGANGGCTTGAAGCCGGTTGGGAACANCTTTGANGCCCCGGNGTTCAAAGAACCA
GGCNTGGGCCAANAATGGGGGNAAACCCCTTGCCTTTTGCTAAAAATAAAAAAAAAA
Sequence 3357
CCGCGGTGGCGGCCGCCCGGGCAGGTACAAGCCAATGCCAGCGTCAGAGCTGCTTTTGTG
CATGCCCTTGGAGATCTATTTCAGAGTATCAGTGTGCTAATTAGTGCACTTATTATCTAC
TTTAAGCCAGAGTATAAAATAGCCGACCCAATCTGCACATTCATCTTTTCCATCCTGGTC
TTGGCCAGCACCATCACTATCTTAAAGGACTTCTCCATCTTACTCATGGAAGGTGTGCCA
AAGAGCCTGAATTACGGTGGTGTGAAAGAGCTTATTTTAGCAGTCGACGGGGTGCTGTCT
GTGCACAGCCTGCACATCTGGTCTCTAACAATGAATCAAGTAATTCTCTCAGCTCATGTT
GCTACAACAGCCAGCTGGGACAGCCAAGTGGTTCGGAGAGAAATTGCTAAAGCCCTTAGC
AAAAGCTTTACGATGCACTCACTCACCAT
Sequence 3358
CCGCGGTGGCGGCCGAGGTACCCTCGGTTGCAAGCACAAGCAAATGTGCCAGGGTGGTTG
ATGCAGCTGTGGTCACAGGTCCTATCCAAAGAGCACTCATCCACATCTTGGCAAGACTTC
TCATCTGTTAATAATTTAAATCCTTTCTTGCAGCCGCAGTCAAAACTGGCCCACGATGTT
TTTTTGCAAGAAATGATCACAACCTCCATTGCGGGTCTGGCACTCATCAATATCTTTACA
TGTCTTCCCATCCAACTGGAGAGTGAATCCAACAGGACAACTGCAGTGGACACCTGTCGA
AGTATCCTTACAGGTGCGGTCACAGCCTCCATTGTTGACAGCACACGTTTCCATGANCAG

Table 1

CCGTTCGTTTCACCCGTTTTATCCCCATCCACCACTGATGTGGGTGTTGCTCTCT

Sequence 3359

GGTACCAAAGAACAAACGGAAGCCTAAAGATGGACCACAAACCTTTGGATATCCAGGATA
ACTGAGTNAAAAACCTACCACACGGNTAATAAAATAATGATGTCCACTGAGTCCATGACC
ACAAAGCAAATCACCAGCAGCAGGATGGCATGGGCGGCCCTTTTCGCTGGGGAGGGACTG
GAGCAAAGGCTGGGGCTGTGAAGGTGATGGGATCACCTCTGATGGTTAAACAAGANTACC
TA

Sequence 3360

ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCAGGATTCATTCTCATCAAATATCATGA
AGTGGAGAACACGGTGAACTATGTTGGGGTTGATGTCTTTGCGGCATACAGAGAGAGGGC
CTACCAGTCCACTGTGAAGGTCCTTAGCCACAGATACAGTTGAATAGTAAAACCAAGGTA
TGCATTCAAAGTCCCAGTGAGGTAGGGACCAGTTCTATCAGGTATCTGCCAAGTATATAT
TTGAATCTCTCCTGGCTGAGTTGGAACAACAGTGGAATTATTTGTTTTCACTCCATGAGC
ATGAATAGAATACGGTCTTGCGGCTTTATTTTTAAAGATAATTTTGAATTATTTGACCAG
GGTTGAGCAATATTAATGGGACCTAGTATATCCGAGNATGTTTTTCACCCTTCATTTCCT
TTT

Sequence 3361

TGATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGGAGATGCTGCCACCTAGGT
TACTTGTAGGACCCTATACGGCAACCTCCTTTGCCAGGAACTATTTATAAACATCCTGCA
GGAAAATGAGTCTATATGTCAGAATACACATTTCCCACCTTGCCCAACAGTAGAAAAACA
TAAGAAGAGAAAAACATTAAAAAATGACAAGGAAGTTAATGGAAGTCGGCAATGTGATGG
TGTTTGGAGGTGGAGCCTTCAGAAGGTAATTAATGCCCTTGTAAGAAGAGGCCAGAGAGC
TTGCGCACCTTCTTCCTGCCATGTGAGGAGCCAAGAAGCCCNGCTGTCTGCAACCTGCAA
GAGGACCCTCACTAGAAGCTAGCCATACTGGCCTCCTCATCTTGGCTTTCCAACTTCCAG
AACTGTGAGAAGTATATGTTTGTGGTTTAGTCAATGGTCTATGGTAATTTTTTTATAGCA
GTCCCAGCCAAGACAGTGCCTCATTTACTACATACCATTTATATTATTATATAG

Sequence 3362

ATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAAAGAAACAGCTTCAATCCTT
TTGGGGAATGGCAGGGTTTTGCAGAATATGTGTTCCAAATTTGGGGTCATAGCAAAACCC
CTTTATAAAGCAACAAGGGGGCCAGAAAATGAGTCAATGGAGTGGGCCCTANAAATGAGG
GGAAACTTTGTCAAGTTAAAACAGGCTCTTAACAAAGCTCCCACTCTTGGCATCCCAAAC
TTCATTAAGCATTTTTCCTTGTATATAGCAGGAAAAAAAGGGCATAACTGTGGGAATACT
AACCCANAAATTGGGATCAGAACCCATACCAACCATCTACTTTTCAAAGAAATTGAACAG
AGTAGCCTCACAGTGACCAAGCTGCCTGCAGGCAATAGCAGCCACTGTTATTTTAGTGGA
AGAAGCCACTAAAATCACCCTGG

Sequence 3363

CCGCGGTGGCGGCCGCCCGGGCAGGTACCAAAGAACAAACGGAAGCCTAAAGATGGACCA
CAAACCTTTGGATATCCAGGATAACTGAGTTAAAAACCTACCACACGGTTAATAAAATAA
TGATGTCCACTGAGTCCATGACCACAAAGCAAATCACCAGCAGCAGGATGGCATGGGCGG
CCCTTTTCGCTGGGGAGGGACTGGAGCAGAGGCTGGGGCTGTGAAGGTGATGGGATCACC
TCTGATGGTTAAACAAGAGTACCT

Sequence 3364

TTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACATGGTTCTTCCTCAAAAA
GTGGTAATTCCTTAATGTGTTTCTTTTTACCCTTTTTCTTCTTCTTGGAAAGGGGATTTT
AAGTAAAGAACTGAAGTAATGGAAAGAGTAAGCTAGAAGAATATCTGGGGAAAAAGCCCC
CAGACACATGGAACTGCTAAGTGCCAGAAGGTGTGCCTGGGAATCTTTTAAGCAGTAGGG
GTAGGGTAAGGGAATAGCANCAAGTTCAGTGTTGCTTGAANCAGAGCAAAGACATAGNAA
NCAGAAGTTTAAGCAGGAGAGGTAACATGCCAGATGGTTACTGCCTTCAGTTATTAGGAN
GGACCTCTGCACATACTCAGAGTGAAATGGGGAGGCAATCAGAAGGGCTGGGGCAGAAGG

Table 1

AATGACCCAATTTGACTTATGTTTAAAATACATNCACTTGAGTTTAAGAATTGACAAAAG
GGGAAGTTTTTAAAAACCCAGGACTATCAATTCCAAGTCTATGACACTCATCTAGACTAC
AGATGACGGTGGCTCAAATGTACCTGCCCG

Sequence 3365
CCGCGGTGGCGGCCCGCCCGGGCAGGTACGCGGGGGTAGATGGAAGGAAGAACTTGTGTG
CTTAGACCTGACGCTGGGAGGAGATGCTGCCACCTAGGTTACTTGTAGGACCCTATACGG
CAACCTCCTTTGCCAGGAACTATTTATAAACATCCTGCAGGAAAATGAGTCTATATGTCA
GAATACACATTTCCCACCTTGCCCAACAGTAGAAAAACATAAGAAGAGAAAAACATTAAA
AAATGACAAGGAAGTTAATGGAAGTCAGCAATGTGATGGTGTTTGGAGGTGGAGCCTTCA
GAAGGTAATTAATGCCCTTGTAAGAAGAGGCCAGAGAGCTTGCGCACCTTCTTCCTGCCA
TGTGAGGAGCCAAGAAGCCCGACTGTCTGCAACCTGCAAAGAGGACCCTCACTAGAAGCT
AGCCATACTGGCATCCTCATCTTGGCTTTCCAACTTCCAGAACTGTGAGAAGTATATGTT
TGTGGTTTAATCAATGGTCTATGGTAATTTTTTT

Sequence 3366
TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGGGGGGAGA
CCATTGCTCTATAGCAAGACCAGACTTTGCCCTTCCTCCTCTCAGCCTACTCAACGTGAA
TATAATGAGGATGAAGACCTTTGTAATGACCTTTTCCCACATAATGAATAGCCATTGGGA
GACACACTTCTGAACACCACCACTGGAAAATCACACATGCTGAAATGGGAGAGTTCCCTG
ACCCCCTTGCAGGATATGTGACAGGAGTGTGGCTCATCTGTTCAGCTGGAGTGCATACTC
AAACCCCTTATGAGACAAGGAGTATGCAGACAGAAGGTGCAGGAACTGGGGTGAGTACCT

                                                                          0

Sequence 3367
NGGCGAATTGGAGCTTNCCGCGGTGGCGGCCGCCCGGGCAGGTACCACACACACACAGGC
ACACGCAGGCACNCGCAGGCACACANTCNGACACACACACACACATAAACACACAGAGTT
CACTAGTCCGAGTTACTGATTTTCTTAGGATTCTCAAAGTGACAACACCGGAAACAAGGT
AATTCATGTTAAAACACAAGGGTTATATCAGTAAGAGATGGGATCCCCGAAGTAAACCGT
GGAATTTGAATCAAGCTTCGAAGAGCTAAAAAAAGAAATTGGAGTTTCAACATTCACCTT
CTTGAATCCTTAAGAAATACAGAAGTTCAAAATAGAAAACATTACAGTTTCAGGATCAAA
AGTAGAAACATCTGAGATTAAGCCTACATTTTTAAAAAAAGATATTGAAAATTACTGGGC
TTGTAATACCAGCTTTTCAAACATCAATACCAGTATTGGCATTACCTAGATCAAATCTTT
TCATCAAAGTTGAAAAAATAAAGCATTTGGGGGGATAGAAGGACCATCAAAAATGTCCAA
TATTGAAATATTGGGTCTTTGCATAGTTNCATTAAAAAAAATTTACCCTGCTCTCAATGGT
TGGGTCANTTCTTCAATTCCAAGGCTTTANTTTGGNACAAGACTTTTTGCAT

Sequence 3368
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCCCGAGCGGCCCGCCCGGGCAGGTACGCG
GGGGACGCTGGGAGGAGATGCTGCCACCTAGGTTACTTGTAGGACCCTATACGGCAACCT
CCTTTGCCAGGAACTATTTATAAACATCCTGCAGGAAAATGAGTCTATATGTCAGAATCA
CATTTCCCACCTTGCCCAACAGTAGAAAAACATAAGAAGAGAAAAACATTAAAAAATGAC
AAGGAAGTTAATGGAAGTCAGCAATGTGATGGTGTTTGGAGGTGGAGCCTTCAGAAGGTA
ATTAATGCCCTTGTAAGAAGAGGCCAGAGAGCTTGCGCACCTTCTTCCTGCCATGTGAGG
AGCCAAGAAGCCCGGCTGTCTGCAACCTGCAAGAGGACCCTCACTAGAAGCTAGCCATAC
TGGCATCCTCATCTTGGCTTTCCAACTTCCAGAACTGTGAGAAGTATATGTTTGTGGTTT
AGTCAATGGTCTATGGTAATTTTTTTTATAGCAGTCCCAGCCCAAGACAGTGCCTCATTTA
CTACATACCATTTATATTATTATATAGGCTTCCTTTCAGAAACCCATGTTCAAAATAAGA
GATAAANATACTGAAACACATAACACCTTCCTTAGTTTTTTAAGTATACAAATATTTGAGAA
AATAGTTTGGTTATTAACTATTTTAATCCAAGAAATGCANAATCATGTGGTTCTAA

Sequence 3369
AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACTTTACTCACCCTT
CCTCTGACAGAAAGGATGAAGTCAAGGGCCTGGTAGAGGCACCACTAAGAAAGGCGTCT

Table 1

GAGAGGACCAAAGAGAGTGACCAGCAAGCATTTTTTTGCAAGGCTGAGGAGCTGACAGCTT
CATGAAAGGCTGGACCACCCAGTGGTGAGAAGCATCATCTGGGTTACCTTGTGCTGCCAT
AAAACACACCACAGACTTGGTGACTTAAACCACAGATATTTATCTTCTCACAATCCTGGA
GGCTGGAAGTCTGCAATCACGGTGCCAGCATGGTCAGGTTCTGGTGAGGGCCTCTTTCCT
TCTCACTGTGTGCTCTTTCTTGTGCATGGAGAGAGAGAGCATGAACAAGCCCTCTACTGT
CCCTCTTAGAAGGGCACTAATCCCATAATAAGGCATCCACCCTCCTGACCTCGGCTAACC
CCAGTTAAGTACCTCGGCCGCTCTAGAACTAGTG

Sequence 3370

CCGCGGTGGCGGCCGAGGTACTTTGCCAAGCAGTAAAGGATCCAGGAGATAGCACTGGAT
GTGGTGTCATGTCCTGCAAACATGAACGTTTTCACTTCAGCCTGGAGATCTGCTTCAGAG
AAATCTTTGGTGTTTTCGCTTTTGGCACTCAAAAGTATGTCCAGAAAATCCCAGCGCCTT
TTCTGAGTAGTATCTTGTTTTAGCTTATCCTTAAGAGACTCCTTCCGGTCCTGGATTACT
TTCTCTGTGAACTGATGAAGTTCTTGGTTAAATTTAGAAAAGATTTGGCCTTGAGAGCTG
AATTTGAAAACCAGGTCGTTGTGATGTAGAAAATTGTTCATGCGCTGGTTGGAGATTTTT
TGCTAAGGTTGAACACTGCTTTCAGGTATTGAGTCCAGGGTACCTGCCCGGGCCGGGCCG
CT

Sequence 3371

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCTGAGTAGTCT
GTAACCAAAATAATTCATTTGGCACATTTAAGGCATCTGCCCAATAAAATACCTTGTGAA
TAAATTCTTTAGGAATTATGAATACTACAAGGAGAAAAATGACAGAAAGAAGCTGACTTG
GGGGGAATGGGAGTTGTTTTTAATAACCTTTTTACCACCCTAGACTTCTGGCCAATCAAA
TTGAATCATACCTTGGGAAGGGAAACTGCCTGATGCAGCAGCTGAGCCAAAGTCAGCAAA
TCCTCCGAATAAATCAGCTGATCCTCCTAGAAGTTAAGAAAAAGTTAAAACTGTTAGAAC
TAGAGAAAAATTGTAAATAATTTCTGGAGGCCATTTTAGTGCCACACAAAAAGTACCT

Sequence 3372

TCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCTTTCTCTTACTGATAGTANG
GATATTTCTGCTTTAGTTATTGTCACCTTAAATATATTTTCAATGTTGAAATCCTCACAG
CATGTTTGATGAAATCTAGTTTTCAAATTTTCTTAGGTATATTTCTGTCACGTTGGCATG
ATAACAAATGCAATAACCCAAAAGACCCCAAAAGCTAGTGTAATCCCTTTTGCAATCCAA
GCATGAGGATTCATCTTCATGTTGACAGTGCGTGAATGTTCGGTAGGCTTTGTCAAGCTT
GCATACAATAAATTATATATGTCCCTTTTCTTTTAGGGTCTCCTGTTAAAGGATGGTCTT
CTGAAGGCTAACTGCGGAATGAAAGTTTCTATTCCAACTAAAGCCTTAGAATTGATGGAC
ATGCAAACTTTCAAAGCAGAGCCTCCCGAGAAGC

Sequence 3373

CCGCGGTGGCGGCCGAGGTACTCACCCCAGTTCCTGCACCTTCTGTCTGCATACTCCTTG
TCTCATAAGGGGTTTGAGTATGCACTCCAGCTGAACAGATGAGCCACACTCCTGTCACAT
ATCCTGCAAGGGGGTCAGGGAACTCTCCCATTTCAGCATGTGTGATTTTCCAGTGGTGGT
GTTCAGAAGTGTGTCTCCCAATGGCTATTCATTATGTGGGAAAAGGTCATTACAAAGGTC
TTCATCCTCATTATATTCACGTTGAGTAGGCTGAGAGGAGGAAGGGCAAAGTCTGGTCTT
GCTATAGAGCAATGGTCTCCCCCCGCGTACCTGCCCG

Sequence 3374

CCGCGGTGGCGGCCGCCCGGGCAGGTACTTGGCCACTTTCCTGAGCCAAGCACTTCATTA
TCTTCTTGTCCTGTGAGTCCTAATAGATATATTTAGAAACACTTCTATGAAATATGGAAT
CCAGGCTTAACCAGCTGTTTGAAATCACAACCCACAACCACTTTGCTGGTGTGTGCTCAC
ACACACACACACACTGACACATGCTTGCTATACATACATACACACAGTTTCCATCTTTTT
TTTTTTTTTTTTGAGACAGAGTCTTGCTCTTTCGCCCAGGCTGGAGTACACTTGGCTCACT
GCAACCTCTGCCTCCCAGGTTCAAGCAATTCTCCTGCCTCAGCCTCCCAAGTAGCTGGGA
CTACAGGCACGTNCCACTACACCCGGCTAATTTTTGTATTTTT

Sequence 3375

Table 1

CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGCTTCCACCATGTGAGGGACACAGCAAG
AAGGGGCTGACTCTGAACCAGGAAGCTGTGCTGTGCTCACCAGACACTTTGATCTTGGAC
TTCTCAGCCTCCAGAACTGTGAGAAAGAGATTTCTATTTTTTATAAGCCACCCAGTAGATG
GTACTTTGTTACAGCAGCCTGAAAGGACTAAGACACCGACCTAGTCTCCCTGATGAAAAA
GTTTCTCTCAGACTTCTACCCTTTCCAATGTGGCCAAAGCTTTTCATTCCGAAGAAGTTT
CCTTTCTGAGAACGCTCATTGTGTCGTTTGGCTTTCCCCGTCTCTGCTTGACACATGAAC
CAAAACAGAGGCAGCCAAAGCAGGGAAAAAAAAATCCTAGGATCAGAGTCCACTCTATGC
CCTTTTGAGCTTCAAAAGGAGAAAGAGACAAAAGCCA
Sequence 3376
CGCCCGGGCAGGTACGCGGGGGAACTTGTGTGCTTAGACCTGACGCTGGNANGAGATGCT
GCCACCTANGTTACTTGTAGGACCCNNTACTGTAANNTCCTTTGCCAGGAACTATTTATA
AACATCCTGCAGGAAAATGAGTCTATATGTCAGAATACACATTTCCCACCTTGCCCAACA
GTAGAAAAACATAAGAAGAGAAAAACATTAAAAAATGACAAGGAAGTTAATGGAAGTCAG
CAATGTGATGGTGTTTGGAGGTGGAGCCTTCANAAGGTAATTAATGCCCTTGTAAGAAGA
GGCCAGAGAGCTTGCGCACCTTCTTCTGCCATGTGAGGAGCCAANAAGCCGGCTGTCTGC
AACCTGCAAGAGGACCCTCACTAGAAGCTAGCCATACTGGCATCCTCATCTTGGCTTTCC
AACTTCCAGAACTGTGAGAAGTATATGTTTGTGGTTTAATCAATGGTCTATGGTAATTTT
TTTATAGCAAGTCCCACCAAGACAGNGCCTCATTTACTACATCCATTTATATTATTATAT
AGGCTCCTTTCAAAAACCCATGTTCAAATTAGAGATAAGATCTGGAACACTTACACCTTC
CTAGTTTTAGTATACAATATTGAGAAATAGTTGGTATAACTATCTATCCANAAATGCAAT
CTGTGTTCTAATTTTATTATAATGCAAATGAGAACTTACACATCTAATTTACTGCCAAAA
AAA
Sequence 3377
AGGTACGCGGGGAAAGCTTGGTGGAAAAAACACCTGATGAGGCTGCATCCTTGGTGGAGG
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CAGAAGAAACACCTAGGGAAATTACGAGTCCTGCAAAAGAAACATCTGAGAAATTTACGT
GGCCAGCAAAAGGAAGACCTAGGAAGATCGCATGGGAGAAAAAAGAAGACACACCTAGGG
AAATTATGAGTCCCGCAAAAGAAACATNTGAGAAATTTACGTGGGCAGCAAAAGGAAGAC
CTAGGGAAGATCGCATGGGAGAAAAAAGAAACACCTGTAAAGACTGGATGCGT
Sequence 3378
CCGCGGTGGCGGCCGAGGACTTTTTTTTTTTTTTCTTTTTTTTTTTTTTTGGATTGTTGATC
ACACCTTTATCTTGCTTAATATGTGTCCAGATTCACAAAAATATCTACATCCTTCTGATG
TATCATTTTAGGGTATGATCTCAGTAATCAGGCAGTGAATTTTCTATAGATTTGTAGGAA
GTCTAGGACAAGATGCATATTGTTGGCATGCTGTATACTTCANAATGCTTAGTTTATTAA
TCAACAAAGGAGTCATATCTTTTTGTCACTAATGTCCTCAAAACAATCCCAACCAATCTT
ACCGCTAAAATTGTATTTTATTATTTTATTTTTATTT
Sequence 3379
TACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGCTTAGACCT
GACGCTGGGAGGAGATGCTGCCACCTAGGTTACTTGTAGGACCCTATACGGCAACCTCCT
TTGCCAGGAACTATTTATAAACATCCTGCAGGAAAATGAGTCAAGGAAGCTTTTCTTTTG
AGCTATTTACAGCTTTTAGCAATTGAGTAAAGTATACTCCTGTGAACAAAATTTGGAACA
TATTTGTTTCTCTCTAACTGATTTCTCCAGAATTTGGAACTAGTTAACCAGGAACCCTCT
CTTGGGGGTGTGGATCGAGACCCCTTTCTGGTAACGAGAGCACAGCTTGGTTTTATACATT
TTAAGGAGACATGAGACATCAATCAACGTATNTAAGATGAACATTTTGATCTGAAAAGGC
CTTTTTTA
Sequence 3380
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTT
TTTTTGCCTGGAGAGAGAGAGATGTTTTATTTTTTGCCAAAGCATGTGAGAGTAAGTAGCA
AACATCATGACACTTCACCCCTCAAATATTTTCCCACGTATCACTTAAGAACAAGGGCAT

Table 1

TCATTCTGTTACATGACCACAATACAATCAGCACAGATAGATATTAACATTGAGACAATG
CTCTGATGTATTGGTATCTACTATGCAGTTCATAATCAAATAAGGGTTTTGGTAACTTGG
GATCCATAAATGGTCTGCAAGGTCAGCCCCTGTAGACCTGCACTTAGTGGGTGCCA
Sequence 3381
AGGTACACCCCCTTTTTACCTTGGACAGTTTTCAGAGAGAAGCCATAGCTGCCTCCTTCC
TTCACGAGATAGCAGAGCCGGGGCTGGGTCCAAGTTTGCACACCTCCATTCATCACAGGG
GAAAGTATATTATCACTCAAACCTTGCTCCTTCTGACTTTGACCCAACTCTTTCAAGNTC
CACCCGTGTTTTCACTGCCTTTCTCATAGGAAATCTCCCATCCCAGTAACCTAGTTAAAA
GCTCACNTGGCATTCCCCACTTCTTTCTNGACCAGGATCCCACNAACCTGCCATAATGTN
TCTNTCTTTTGNTCCACAAAAGNACACCAATTTGTATCCTTANAGAAACCTCTTGTCTTC
CATTCTTNGAAAGGCCAGCCCCTTCTTCTGCNTGGGCCTACACTTTCTCAAACCCAACCC
CGGGACCAAGGGTGGGCCCCTCGGGTGT
Sequence 3382
AGGTACAATGCCAGGAAGATGAATGTGCGTTAATGTTGCTGGAACATGGCACTGATCCAA
ACATTCCAGATGAGTATGGAAATACCACTCTACACTACGCTATCTACAATGAAGATAAAT
TAATGGCCAAAGCACTGCTCTTATACGGTGCTGATATCGAATCAAAAAACAAGCATGGCC
TTACCACCACNTGCCTACTTGNTGTACCTGCCCGGGCGGGCCGCTCCTAGNAACCTAGT
TGGGATCCCCCCCGGGGCTGCATGGGAATTCGATATCAANGCTTATCGGATTACCCGTTC
GACCCTNTGAAGGGGGNGGGGNCCCCGGTTACCCAAGCCTTTTNGNTTCCCTTTTTTTAGN
TNGAAGGGGGTTTAAATNTGCNGCCGCCTTTGGGGCCGTTAAAAT
Sequence 3383
CCGGGCAGGTACCACCACGCCTAGATAACTTTTTTGTATTTTTAATAGAGACAGAGTTTCA
CCACGTTGGCCAGGCTGGTCTCAAACTCCTGACCTCAAGTGATCTGCCTGCCTGGGCCTC
CCAAAGTGCTGGGATTACAGGCATAAGCCAGCACACCTGGCCGTTAAACTAGTTATTTTA
ATCATGCTACACAAAGAAGACATTTCTCCAAAGGAAATATATAAAGGGAAACACTGTTGA
AATAAATGGAAAGCTAAAAGTCTCAGCATAGAAGCTATAAAAAGAAACAAGTGGAAATTG
TAGAACTGAAAATACAATAACAAAATTTACTGGGAAGGTCTCAACACAATGAAGATGACT
GAGGGAAGAGTCAGTAAATTTGAAG
Sequence 3384
CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGTCAGTTACATGAAAATCCCCTTTGGT
CACTGAGATCCAAACCTTGCCGGTGTGTCATTGAGCCAGGTCAAGTCTTCGATATGACTG
TGCTCCTACCCTCAACCCAGCCTTTGGCGTTTGTGCCTTAGTGACTGCAGAAGCCTCTTA
GTCTTCCCATCTCCACCTTGCTCTATACCCCTGCCTTGACCCTAGCTGGCCAATAGTAAA
AATCCCCTCCCAAAATATTTTTTAAGTAAACAAACAAACAATACAAAATAACGTTTAAAAA
AAAAAAAAAAAAAAAAAAGTCCCTCGGCCGCTCTANAACTAGGTGGATCCCCCGGGCTGCA
GGGAATTCG
Sequence 3385
CCGCGGTGGCGGCCGCCCGGGCAGGTACTCACAGTTGAGATAGGATTAAACCCCAATTTC
AAAGCCCCTTACAGAGTTCCACTTACCAGGTTATTTCAGCCGGCAACCAGGAACTAGACT
GAATGCAATCCTCCCACATCCAAGGTCCCCCGCGTACCT
Sequence 3386
CGGCCGCCCGGGCAGGTACACTAACTGCAGTGCCTCATTTCCTAATTTCCATATAAGCTG
CCCCTCTGACCTAGAGCATCTTTGTTTTCCACCTACCATAACCTTTAAAGCAAGGGTCCC
TAACCCCCGGGGCCACAGACCCTGTTAGGAACCAGGTTGCACAGCAGGAAGTAAGTGGTG
GGCAAGTGAGCATTCCCGCGTACCT
Sequence 3387
CCGGGCAGGTACCGGGCAGCTTGACCTCCATTGCTTTTGGCTTTTGTCTCTTTCTCCTTT
TGAAGCTCAAAAGGGCATAGAGTGGACTCTGATCCTAGGATTTTTTTTTCCCTGCTTTGG
CTGCCTCTGTTTTGGTTCATGTGTCAAGCAGAGACGGGGAAAGCCAAACGACACAATGAG

Table 1

TGTTCTCAGAAAGGAAACTTCTTCGGAATGAAAAGCTTTGGCCACATTGGAAAGGGTAGA
AGTCTGAGAGAAACTTTTTCATCAGGGAGACTAGGTCCGGTGTCTTAGTCCTTTCAGGCT
GCTGTAACAAAGTACCTCGGCnnnnnnnnnnnnnnnnnnnnnnnnnnnnnCGGGCTGCAGGAAT
TCNAATATCAAGCTTATTCGATACCCGTCGACCTTCGAGGGGG

Sequence 3388
GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGACCTAGGTTACTTGTAG
GACCCTATACGGCAACCTCCTTTGCCAGGAACTATTTATAAACATCCTGCAGGAAAATGT
GAAGTAGAAGAGACAGGGATATCCCAGAAGGTTATGCAAAACATCAAGAGAAGATGAGAG
GAGTCTATATGTCAGAATACACATTTCCCACCTTGCCCAACAGTAGAAAAACATAAGAAG
AGAAAAACATTAAAAAATGACAAGGAAGTTAATGGAAGTCAGCAATGTGATGGTGTTTGG
AGGTGGAGCCTTCAGAAGGTAATTAATGCCCTTGTAAGAAGAGGCCAGAGAGCTTGCGCA
CCTTCTTCCTGCCATATGAGGAGCCAAGAAGCCGGCTGTCTGCAACCTGCAAGGAGGA

Sequence 3389
GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGACTGTGGGCTGGAATCC
TAGCACCCCAACCTGCTAGATGTAAGGCACTTACCTTTTTTCTTCCTCAGGTTCCTTTGA
ACAGTGTCGAGCACACAGGCTTAGCTCCATTATGGTTACTTTGGGAATAGCCTCTCGACT
CAAATTGGGAATAAGAAATGTCACTGTTAAAGAAATCCCTAAAAAAAAAAAAAAAAAAAA
AAAAAAANGTNCCTGCCC

Sequence 3390
CCGCGGTGGCGGCCGAGGTACTTGCAGGCTACGAGAGGTGATTTGCAGCATGCTTCAGAG
ACAACCATGCTGAATCATTCGTAGATGTCAAAAGTGTTAGAACTGACATGGATCTTAGAA
GCCACCTGGCTTTCACCACCCATTTTCTCCTGCTTCCCAATGTCCCGGGAACACACGGCA
CTTAGGAGGGGACTGTAAAAGCAGTAGCTCCCAATTATAACACCAGTCTCCCAGTTTGGA
ACTTTGAGGTTAGGTAACTCCAAACTTAGCCTACCCTTGACACTCCCCTCTACCCATTCT
CTATTCAAACCTCAAATCCCGCGTACCTGCCCG

Sequence 3391
CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGAGTCAACACACCCGTGGGTAATTAAC
CTGGTCATCCCCACCCTGGAGAGCCATCCTGCCCATGGGTGATCAAAGAAGGAACATCTG
CAGGAACACCTGATGAGGCTGCACCCTTGGCGGAAAGAACACCTGACACAGCTGAAAGCT
TGGTGGAAAAAACACCTGATGAGGCTGCACCCTTGGTGGAAAGAACACCTGACACGGCTG
AAAGCTTGGTGGAAAAAACACCTGATGAGGCTGCATCCTTGGTGGAGGGAACATCTGACA
AAATTCAATGTTTGGAGAAAGGCGACATCTGGAAAGTTCGGAACAGTCAGCAGAAGNAAA
CACCTTAGGGGAAATTACCGAGTTCC

Sequence 3392
CGGGCAGGTACTCGGGTGACCCAAGGAGGACCATTTTAAACTTCTAAGTTTTCACCGAGA
TTAACATGCATTTGTTGAAAGACAAACCTCTTTTTACCCTACTCCCCCAGCTGCAAATGCT
TTCAGGGTTCACATCATGTTGGAACATTTGGTTACAGTGTTTCCTAAACTTTGCGGGTAA
AAATTGTTCAAGTAGGTAAAAATGGAGCACATACAAAAAAAAAAAAAAAAAAAAAAAAAAA
AANGTACCT

Sequence 3393
CACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTT
TTTTTTTTTTTTCCTGTTTTTTGTTAAAGCTTTATTTGGTGACACTCCCTCCCAANACCAA
CANAATTGGGGAAAGGTCCCAAAGAGAGGAATCCAACTTTTTAAAAACGGCCTCATTCCAT
ACCTGAGTCAGGCTGCTNTNTGGCTCGCTCGCTCTCCTNTNTAACAAGAGTTATGNGTTC
TTTCTGTTCTAGTATCAAAAAAGGNGATAACAAGGGAGTCATTTACAANCCANCCACCAA
NATGGANACTGAGGCCCACNCTTGAGGTCCCCGGAG

Sequence 3394
GGCGGCCGAGGTACACACAAAGACAAACCTGAACTTAATTTCAAGGAAAACTTAAACCCA
TGCACAAATAATTGGTGAGCCTTCATTTCCCTGACTTCAAGTTTCCATGTGAGGACTCAT

Table 1

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GCTCTCTCCACTTTCTTCTTGGGAGGAGGGAAGATTTACCTAATGGGTAAATTTGGGCAA
AGCACATTGAGTGTGCTTGTTTGGCTCTGAGTCTCTTTGCAAACATGTGTCTGCCCACAG
TGACATGAGTTTGCCGTTGACTGNCATGTCTGCAGGAAGCTGCCTGCTCCTGTGGCCATG
TCAAGCAATTCTTTCTTTCAACTGCA
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Sequence 3395
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TNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGTAATGAA
AATTGAGGTTCATTCTATGAAAAAATCTCCCCTTCTCCCCTTCCCTTATTGCCTGTCTTG
GCAATGGCCAGTAGAGTAGTTATTTAAGGGATTTTGTTTTTTTGTTTTTTTGTTTTTTTT
TGGTAGGGGAGGTGGGGAATTTCTGGGTTTGTCTTTNTTTTAATGTATATAAAAGTTTGC
TAGTTGTTAGTTATTGNTGTTCTTTCACTCTCAACACAGTTTTTTTGTTTGGAAGTTGTAC
GAATCAAATGTAATTGAGGGGACCCATAC
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Sequence 3396
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CTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCCGGCCGCCCGGGCAGGTACAAAAATC
CCCAGAGCCACATAGACGGGGGTGGTAGTGCGAACCATAGCAATATTGGCATAGGTGCCA
ATCTGTAGCTCTTCCAGAGACTTGGACATGAACTCTGGCTTGGGGAACTCAGTGATAAAC
AATTTGAGGAACTTCAGAATGCGCTTGTGGGTGAGGATGTACATGCCGGCTTCCCTTAAG
TTGATTAGATGGGAAACCAAACACCGTCTTTCAAGTGTGAGGCTGTGCCATGCTCCCTCA
GGGAGGAGGGGCGCTGGGTCTGACCAGGTCTGCCTCTGCCCTCACCAGCTGGCAGACGTG
AACTGGAGAACAGCCACCAGAAAGGCTGGTGGTTGGGCAAGCTGCTTCACCGACACAAGT
TGCTTG
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Sequence 3397
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ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCTCAGTT
GTAAATGCAGAAATCAGGCCATCTTCTGTGTCAATCATGGTGGGAGCTGCAGACCGGAGC
TGGAACTATTCAGCCATCTTGGAACGGGAGCCCTCTAGGTGATATATTTTGAAGTCAGAA
ATGGAAAATGTTGTCCAGAGTTCAGGGGAAGAGGATATTGGGTTCTTTTCTCTGAGGTCA
CTGTTTCAAAACGTTACAGAAGAAAAGGCTAATATTGCTTCAGCCCTTGCCCAGATCCCA
CAGAAGGTCAGTAAAAACCTCCATTCCTGATAAGCAGCTATTCACATAGTGAGAAAGTATG
GCTTTTGCCCTACTCAGTCTTGCTGTTATTGGAAACAAACTCTCTTTGATTGTCCGTTTC
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Sequence 3398
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CGCGGTGGCGGCCCGAGGTACCAGGTGAACAAGGTTTACCAGAAAGCAGTTGAGACAAGA
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TTNCTCATGACTCTAAGTAAAGAACCACGCTCTNTCCAGGGCAGGGTCTTGAAAGCTCAA
CTCTCTTAATTTGCCTCCACCTTCAGGGTTATTACCCTCACTTTTACACCAATTATGNAA
TTTATTAACCTGGGAAAAAGGAAAGTTTGGGGGGGACCACCATTGGTTATTTTTGGGGTGG
AATNTACCATTTNTTAAAACCACCATTTANGGGANAAAAGGTTTGCCTAATTTTGAAACC
TTNTTTTAATTGGANTTTTTTTTGGGGGGGGGGGAGGTTAAAAGNAANTTAATTTTTTGGT
NGGATTGGCCAAAAATAAAAAATTATTCCCTTTTTAAAATTTTGAATTNCGGACNTTTGG
NCCCAAAAATTTTTAAG
```
Sequence 3399
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ATTNGCGAATTGGAGCTCCCCGCTGTGGCGGCCGAGGTACTTTACAGTTTATATGATCTC
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ACGTTGAGATTCAGGGAGGTTCAGAGGGATTCAGGGAAAGTCAAGTGGCACCTGGAGTCC
CGTGGCTAATTTGAGGCCCGGAGGGGGATTTCGAACCCAGGATTTGTGCTTCTTATGCCT
GGGCTTCTGCTCTCTGGGGCATGGTCTTCCCCCTAGCTTTCCCATTCACTACTTTAGCCT
AGGGGTCCTACCCTTTATTAAACTGCCAGTGCCTCACTGCTTTTCTCCCCCAAAGACAAA
AAAAAAGTGTTTTTGCTTTTGTTTTGTTTTTCATGGGCAGAGACCTGGAATTTCAGCTTG
AGAATTTGTGCCATATGATAAAATAAATCAACANNATGGCTTTTTCCCCAAAAAAAAAAA
A
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Table 1

Sequence 3400
ATCCGGCGAATTGTTCTCCCCGCGGCGGCGGCCGCCCGGNCAGGTACATCTGANCCACCG
NCATCTGTAGTCTATTTNAGTGTCATAGACTTGGAATNGATAGTCCTGGTTTTTAAAAAC
TTCCCCTTTTGTCAATTCTTAACTCAGTGGATGTATTTAAAACATAAGTCAAATTGTGTC
ATTCCTCTGCCCCANCCCTTCTGATTGCCTCCCATTTCACTNTGAGTATTGTGCCAAAGT
TCCTCCTAATAACTGAAAGGCANTAAAACCATCTGGCATGTAACCTCTCCTGCTTAAACT
TCTGTTTCTTATGTCTTTTGCTCTGTTTCAGCCACACTTGAACTTGTTGCTATTCCTTAC
CTACCCTACATGCTTAAAGATTCCAGGCACACCTNTGCACTTAGCAGTTTCCATGTTGTC
TGGGATGCTTTTTTTCCCCANATATTNTTCTAGCTTTACTCTTTCCA
Sequence 3401
ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTGCC
GATGGGGAGGGGGATACAGAGGAAGATGATTACGATGACATTATTGAGCCCCTTCTCTCC
CTTGACCAAGCTTCTCACTGTGAGCTAGGGCCTGCACCCAGCCTGGGTCAGGCCTCTCAC
AGTGACTCCGAAATGACATCACAGCGATTTTCGTCAGTTGATGAACAAGCAAAACTTCAT
AAGACTATGTCTCAAGGAGAGATTACCAAGTTGGCAGTGAGACAGAAGGCTTCGGATTCA
GATATAAGACCTCAGAGAGCTAAGATGAGATTCTGGGCCAAAGGGAAACAAGGGGAGAAG
AAGACTACCATGAGTGAAACCTA
Sequence 3402
GNGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTGAGAAGACATCATTA
CCTGTATATGCCCCCTCTTCTCAGTTCCCTCAATGGACATTGGCATTGATGAGCCCATAA
GTACATGATAAGCCTACAAGGACAATAGTGAGTTTATATTTTTATGTAATGATTTTAGAA
CATGGGATAATATTCCAGAGGNGATGGAGGTAAAACTATTCACATTTCCATATTCCAAAC
TACTTCAAGAATCACTAGAGTGCAGAAGTTATAACTCTAAATGCTGAATGGAGAAATCAT
CTGTCCCAAGAACTACACCCATGACTTTCCAATAAATCTATCTCAAAAGGCCTACCAT
TTAACAACAACAGCAACAACAAAACTTTAAAAGAACCCAAATGGAAGTTTTTGTATAAGT
TGGGGGTCTTTTTT
Sequence 3403
GGCNAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGAGAGCTTTTGGTTTGCT
GAGGTTTGTCAGATTTTCCAGCTCAGGGCCCAGCCAGCTGGCAGGAAGCANGACAGAGGT
CACTTGAATTCAGACCACATGTCCCTGTTAAATACATTAGCTTTTAAATCAATCTTTGTT
CAAAGTCCAATGAGTTGCAAGCCTAATGCTCACCTGCAGAGACAGAATTCCTGAGTGAAC
GAACAGAGCAGCTCCTCTTCCATCTCCAGAAATGACCTCCACCTTCAACCCCCGAGAATG
TAAACTGTCCAAGCAAGAAGGGCAAAA
Sequence 3404
ACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGTGGATTTGCCAGATC
ATAGCGAGACTGCTTCTTTAAGTGGGACCCTGATACATTTCTGCTCACTGGGTGAAACCT
CCCAGCCAGGCCCCCCAGCCATGTCCACCTGCACTTATTAGGGACAGAGCTCTGATCTCT
CCCTGGGAAGGAGTGCCTGGGGGCCAGGGGAGGGTGGCCACCTGGGTTGGTTGGATGACT
CAGTTCTTCCAACCAACCTCCTCCCCAACAGGGGCAGAGGCAGTTCCCCACCATGACACG
GTTCCCCCACCACAATACAGCTCTTTTCTTGAGGCATGGACAGACTGCTCCTTTAAGTGA
TTTACTCCTTCTCGTGGATTGGTTTCTCCCGGCCAGGTCCTCCCAGTCGGGGCTTCCAGC
CACCTTGACCTGTATTCTGTGG
Sequence 3405
CTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTNTTTTTTTTTTT
TTTTTTTTTTGGCCNGGAGAGAGAGAGATGTTTTATTTTTGCCAAAGCATGTGAGAGTAA
GTAGCAAACATCATGACACTTCACCCCTCAAATATTTTCCCACGTATCACTTAANAACAA
GGGCATTCATTCTGTTACATGACCACAATACCATTCAGCCCAGATANGATNTTTAACATT
GAGACAATGCTCTGATGTATTGGTATCTACTATGCAGTTCATAATCAAATAAGGGTTTTG
GTAACTTGGGATCCATAAATGGTCTGCAAGGTCAGCCTNTGTANACCTGCACTTAGTGGG

Table 1

TGCCATTTCCCTGTCTCAGGTGCCTGCTCTACTGGTGATATTTTTTTCACTGGCTCTGTTG
CTCACTTANA
Sequence 3406
CTACTATAGGGCGAATTGGANCTCCCCGCGGTGGCGGCCGAGGTACCTTGGTTTTCAGGT
TATCTGACAAAGGCAGCTTTGATTGGGACATGGAGGCATGGGCAGGTTCTCCTTTCTTTG
GAAACACATCCATGCTGGGATGCACAGTTCTTTTCCTAAGGATTGTGTTTACTCCTGACT
GCAACGTCTTGGCCACTGTTTGGAGCAGTTTGGGTCTGAAGGTCATTAAGGATCTGCTTG
CATCTTGTTTCATGTCCTCCGTGACAGACTGCAGACCATGTTAGAAGAGAAGGAAGGTTT
GTGGATCAAGAGGGTTGACATTAGGTTTGGTGAGATGAGTTGCTTGGCACAGATCAGCAG
AACAGGACCCTGGTGATAAGGCATTCTGGGCTTTGCTAACCACTTATCATCTTCCATTAT
TTCTCTTTCTTAAACTAAAGTAAGACCCCGAAAGTGCACTTTTTGGAAGTCTGGGTTT
Sequence 3407
NACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCAGCGGCCGCCCGGGCAGGTACGC
GGGATTGAGAGCAGGTAAATTTTTTAATGGAACTATGCAAAGACCAATATTTCAATATTG
GACATTTTGATGGTCCTTCTATCCCCAATGCTTTATTTTTTTCAACTTTGATGAAAAGAT
TTGATCTAGATGAGATACTCCCATCAGAATCCCAACCAAAAGGGACTATGAAGAAAGTTC
TTGGGATTCTGAGAGTCTCTGTGAGACTGTTTCACAGAAGGATGTGTGTTTACCCAAGGC
TACACATCAAAAAGAAATAGATAAAATAAATGGAAAATTAGAAGGGTCTCCTGTTAAAGA
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Sequence 3408
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AGAAA
Sequence 3409
CCGCGGTGGCGGCCGAGGTACCATTGTCCAGGGAGCTCTGAAAAGCATCCTATGTCGCAC
CCCGGGAGAGTTTTACCACAACACTCTGAGCTTCCTCAAGGTAAGGGCAGCTCCTGCCCT
CCACTTTGGGAGTTTGGGAGTCAGAGAATGCCGCCCGTGGAATTAGGAATAATTGGTTCT
CCTTTCTGGAGCCATGTTCCAATATTAGGAGACGGCATCGGTGTAAGCATCCACACACAC
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TTCTTTTTCACTCCTTATGCCAGAACATCACACCTACCGTTCCCACTCTTCAATGAGGGG
TCTATTTTTAATGACTTTGGCTTTTTCTTTTACTTAAATTTTGA
Sequence 3410
ATCCGGCGAATTGTTTTCTGACAGCGGCGGCGGCCGAGGTACATGTTCTTGGCATCCTTT
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CAACAGTGTCCTGAGACTGAGGATAGATAAAATACTTCAGGTCAAAGCAGAGCCTGTGGA
ATTTTAATTTAAACAATAGATGAGAAATGTCTTTTGTTGGAAAAGAGACATTCAAAAAA
GATGTTAAAATATACCCTGTTTATTATGAATTATTTGGGAACGTAAACATTACCTTTTAT
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TTGCACAGGTACCTGCCCG
Sequence 3411
TATAGGGCGAATTGGAGCTNCCCGCGGTGGCGGCCGCCCGGGCAGGTACATACACGTAAC
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Table 1

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TATTTGTATACAATGCAGCAAGAATTTTGTTTTTAATGTAGGCTTTTAAATGGGCTTTGA
TGGAACTTGGTTCCATAGAAGGAATCCCAGATAAGGCTTTTTAAAAG

Sequence 3412

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AAATCCATTTTGAAGTNACACNCAACAAAAATCATTCAGTTAGTTGAATTTGCTTTATAA
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Sequence 3413

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CTCACCACCATCAGCCATG

Sequence 3414

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GGAGGTTTGTTTTCTTCTTTTTTCTTTCCGCGGAGACCTGCCTCCTACTCCACCATCACA
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CTCTA

Sequence 3415

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CCCACAGTGACATGAGTTTGCGTTGACTGTCATGTCTGCAGGAAGCTGCCTGCTCCTGTG
GCCATGTCAAGCAATTCTTTCTTTCAACTGCAACTGTGTGTAAGAGCTTAGTCTGAGAAG
AAATGTTCAAGAAGCTCACTGTGGCTGCACATCTGAGCCATGTCTTCCCATTAANTTGTC
ATGAGTCAGCAAT

Sequence 3416

ATCCGGCTAATTGGTTNTCCCCGCGGTNGCGGCCGAGGTACACACAAAGACAAACCTGAA
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TCTCTTTTGCAAACATGTGTCTGCCCACAGTGACATGAGTTTTGCGTTGACTGTCATGTC
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Sequence 3417

AGGTACTTTACTCACCCTTCCTCTGACAGAAAAGGATGAAGTCAAGGACCTGGTAGAGGC

Table 1

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GAACAAGCCCTC

Sequence 3418

CCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCT
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AATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGAC
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AGGATCTACTGGGGGAGTCCGGAGGAGCAGCCTCTTCTGTCCCGCTGGAACCCATGGTCC
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CCTTGAAATTTGCAAGTTGTCTGGGTTCATGTC

Sequence 3419

CCGCGGTGGCGGCCGAGGTACCCTACTGGCCTATGCCGAAAGCACAGGAACTGTGAGGGT
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Sequence 3420

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CAGATATATAATATTACATTGGCTAACTTCAAAGAGCATTGTTTTCCAAGGATAGAGATG
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TTAAGATTTTGTTGTTTTTTTTTAATG

Sequence 3421

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CATTGCTCTTAGCAGGAAGGACAAAACTATTCAACATGTGGAAGTATTTTGTTATGCCAG
TCAGGATTTGCATGAAGATGTCGAAGAAGCTGGTGCGCTGCANTAAAAAAAANNANTNAAT
TAAGTACCTGCCCG

Sequence 3422

CCGGGCAGGTACGCGGGTGACCCAAGGAGGACCATTTTAAACTTCTAAGTTTTCACCGAG
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TTTCAGGGTTCACATCATGTTGGAACATTTGGTTACAGTGTTTCCTAAACTTTGCGGGTA
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AAAAAGTTCCT

Sequence 3423

NAAGCCTTCACTGTCAACTTCGGGGACACCGAAGAGGCCAAGAAACAGATCAACGATTAC

Table 1

GTGGAGAAGGGTACATTGGACATCCTGGACTGATTCTGTAATTCNCGTATCTTTTTTCTC
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TCTACCTGAGGCTCAAGACCTNATCTGTTAAATGCTGNTAAAAGGACCT

Sequence 3424

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GAAAGGCTGGACCACCCAGTGGTGAAAAGCATCATCTGGGTTACCTTGTGCTGCCATAAA
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TGGAAGTCTGCAATCACGGTGCCAGCATGGTCAGGTTCTGGTGAGGGCCTCTTTCCTTCT
CACTGTGTGCTCTTTCTTGTGCATGGAGAGAGAGCATGAACAAGCCCTCTACTGTCCCTC
TTAGAAG

Sequence 3425

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CCCAACAGTAGAAAAAACATAAGAAGAGAAAAACATTAAAAAATGACAAGGAAGTTAATG
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TAAGAAGAGGCCAGAGAGCTTGCGCACCTTCTTCCTGCCATGTGAGGAGCCAAGAAGCCG
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Sequence 3426

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TCCTTACAATTCAAGATGAACTCCACATACCCGCGTACCCACTGAATGTTGTTACTACAT
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GAAATATTTTCTCAATGTAATTCCCTTCCCAGCTACCCAAATGCTACAGAGAAATGTTTT
CTACTTGGCCACTATCAGGGTTCGTCATCTATTGTGTTGACTATTAATGGCTTTTTGATT
GGGTAAGGAT

Sequence 3427

AGGTACTTTTTTTTTTTTTTTTTTTTTTTCCTATCCAGAGCCCTACTTGATCAAAAACTGG
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TANAATATGCTGATAACTGTGCTGGGTATTGGCGACACCAGGGAACAAAACAGACGAGGC
CTCTGGCTCTTCTAATGGACAGCTGGGTGCAACTCTCTAAAAATACTACTTCATGATTTG
ACAGGATATTTGCCAAAGTCCTTCACTACTCTACACAACTATAACAACATTTTC

Sequence 3428

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GATTGGGGNACCAAACCAATTAAGNTGGTTATTCCCGNTGGCCAAGGAAAANCCCCGNAG
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Sequence 3429

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Table 1

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CTGTGTGGGGTTTGAACCTTGGCGCCCACTGGACAGTGGTGAGCACTCACCACCCTGAGG
CCTGGCAGCCTGTCTGTCACTGGAGAGCCGTTC
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Sequence 3430
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AGGTACACGTCTCTGTCCGGGCCTCGGCCAGGGTGCCGAGGGCCAGCATGGACACCAGGA
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AAACC
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Sequence 3431
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GAGGTGGGTGGATCACTTGAGGCCAGGAGTTCCTAGAACGTTCCTCTGTCAAAAGACAAA
ATTACAACAATTTAAAATCTAATTGGCTGTTATTGGCCATTCTAGAATTGGTTGACATCT
CATTCTATGAAATACAATGAGTGCTCTTCAATAAGCTGAGCAGAGGGGGGTTAGCTTTAT
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TACTTTCCTTAAAGAGG
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Sequence 3432
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CCGGGCAGGTACGCGGGGTGGAGACATGGGATTTCTCATGGAAAGTGAAAATAACTCACT
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CAGAAAGCTGGTTTTGAGACTGCAGCTTGGACTAAAGTAAGTTTTGTCTAGAATTGTTTC
TCTATTCAGTATAGACATTTTCATGCTATGATTTATTTCTAAGCCTAGGGGAAACAATAA
ACAACATCTGGCTATCTTATTTCAAATTTGTTATGTAAAAATTGTGGATTGATCTTTATT
GGAGCAAATTTGTAATCCAAATTCTCTTGGTGATTTATTTGCTTGGCACCTAATACACCT
CTAAGCTAACAACAGTCATCTNATTTCAAATGTAAAGCCTCATTGTAAAAACAAA
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Sequence 3433
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TCTTTTTCTCTCTCTCCTCTTTCTTCCCTCCTTCTCTCCCTCTTTCTCTTTCTCTCACAC
AGTTCCTACATTTCTGCACTGGGGGACAAACCAGGCTTCTGATCAAAGGCAATCCGAGAC
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GAGACTAGCCTAGGGGCTTTTATATTTCTTTAAAGCATCAGCCATTAATGGGCTAAGTTT
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TTCATGGTTTTTCAAGGACATGTTCCCCCGCGTACCT
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Sequence 3434
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GCAGACTGTCTTTTAAAGNAGCTCATCTTTATTTGATGCAATCTAAAAGGCCCAAACTCT
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```

## Table 1

CTCAAACTCCTACTTAAGAAACGTGTCATCACCAATAAGATAGTAAAGGCTCTTCTAATA
TTGCTTTGTTGAGACAATTCATTTCATCTT
Sequence 3435
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GCTATTTACAGCTTTTAGCAATTGAGTAAAGTATACTCCTGTGAACAAAATTTGGAACAT
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TTGGGGTGTGGATCGAGACCCCTTTCTGGTAACGAGAGCACAGCTTGGTTTTATACATTT
TAAGGAGACATGAGACATCAATCAACGTATATAAGATGAACATTTTGATCT
Sequence 3436
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Sequence 3437
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CCTGGGTCTCAAGNGGATTGGGTCTCTGNGGATTTTAAACT
Sequence 3438
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TGCCATGTNAGGAGCCAAGAAGCCGGCTGTCTGCAACCTGCA
Sequence 3439
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AACAAAGGGAGCATAAGCTGATCCAGCTTTTAGACAGTAAAATTTTATATTAAAAAAAATT
GAAAGAATCAAGGAATTGAAGTCAGAGGGAAGAAAACATAACAGCTCACTNACTTTTAAA
AAATCTTTTTATTTAAGGAAAATGCAACCAAT
Sequence 3440
AGGTACTATTGACATTTGGGGCCAGGTAATTCTTGGGGGCAGTGGGGAGATGCTGCCCTG
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CTGTTTTACAGGAAGATAAATGTCCCCTAATCCTTTTGTGTAAAAGGGGGAATGTTTTTT
ACCCTTAGACCGGATAAGCAAGACCAGCTGAGACCTACTGGTATAAAGCATACTGCCTGC
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Sequence 3441
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## Table 1

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Sequence 3442
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CAGAGCAGAGGATGGCTGGGGCGGTCTCAGGGATAAGGAGAAGTTTGGGGACCAGACTGT
TTTGTCACCGTATCTGCATCCCTG
Sequence 3443
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GCTGTAGGCATCTTTCAGCTTTATGCANAGGACTGANAATGCAAAGCATTGACTCAATCA
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TCCCGNGTACCTGCCCGGGCGGCCGCTNTANAACTAGGGGATCCCCC
Sequence 3444
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CAACCGGNTGGGAAAANCCTTTTTTAAAATT
Sequence 3445
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GTCCTGCTGTCCTGGACCCTAGCATGTGTGCAGTCCCCGCGTACCT
Sequence 3446
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ATCCCCTGTGCCTGGCACATGCATGCAAGTTATGATTTATGTTGATGAATGAATGAATGA
ATGAATGAATGAATGGTGGATGGGTCCTCT
Sequence 3447
AGGTACTTTTTTTTTTTTTTTTTTTTTTTTCGTCACTACCTCCCCGGGTCGGGAGTGGGTAATT
TGCGCGCCTGCTGCCTTCCTTGGATGTGGTAGCCGTTTCTCAGGCTCCCTCTCCGGAATC
GAACCCTGATTCCCCGTCACCCGNTGGTCACCATGGGTANGCACCGGNAGACNACCCCAN

# Table 1

TNCNAAAAGTTGTATANGGGCAGNACGNGTCGAAATTGGGNTCGNTCTGCCCGCCCACNG
GNGGGGGGNCAGTTGTCNAATACGGCNCCGCCCCGACAGTACNCTGCCCCCGGGNCGGGCC
GTNTCTAANAAACNTAGTNGGGATTCCCCCCGGGGCCTGCCAGGGNAATTTCGATAATCA
AAGTCTTTNTTNTGAATACCCGGTCNGAACTCTTTNAAGGGGGGGGGGGGGGCCCCCGGTTA
CCCCCANGCCTTTTTTGGTN
Sequence 3448

CGGGGGCCGGGCGCTCGGCTGCGGCGAGNCGGNATCAGCNNCACTCAAAGGGCNTGTTAA
TACCGGNGTATCCACCAGAAAATCAGCGGGGGATCAACCGCANGGAAAANGNAACCANGT
NGAGCCAANAAAGCGCNCAGCCAAAAGGGNCCCAAGNGCAAACACCGCTAAAAAAAANGN
GGCCCCGCCGNAANNGCCTNGNGCCGGACNAATTTTNCCCAATTAAGGGGCGNCCCGGCC
CCCCCCCCCNGGGAACGNAGGNCAATTCCAACCAAAAAAAAAAAAANGNCGGACCGGCCNNC
CAAAAGATNCCACGNAAGGGGGGGNGGCCAGGAAAAAACCCCCCCGGAACCAAGGGGGAA
CCCTNAANTAAAAAAAGGGAANTAACCCCCAANGGGGNCCGGGTNNCTNNCCCCCCCCCC
CTGGGGGGAAAAAGGGCCNTCCCCNCCCATNCNGGAGNGGGCCCGNCCNNNCCTTNCCCC
CTGGGNNATNNCCCCGGCAACCCCCCCNGTGGGGCCCCCGGCCCTNTNTAAACCCCCN
Sequence 3449

ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTGCGCGGGGAGAACTTGTGTGCTTAGACCTG
ACGCTGGGAGGAGATGCTGCCACCTAGGTTACTTGTAGGACCCTATACGGCAACCTCCCT
TGCCAGGAACTATTTATAAACATCCTGCAGGAAATGAGTCTATATGTCAGAATACACAT
TTCCCACCTTGCCCAACAGTAGAAAAACATAAGAAGAGAAAAACATTAAAAAATGACAAG
GAAGTTAATGGAAGTCAGCAATGTGATGGTGTTTGGAGGTGGAGCCTTCAGAAGGTAATT
AATGCCCTTGTAAGAAGAGGCCAGAGAGCTTGCGCACCTTCTTCCTGCCATGTGAGGAGC
CAAGAAGCCGGCTGTCTGCAACCTGCAAGAGGACCCTCACTAGAAGCTAGCCATACTGGC
ATCCTCATCTTGG
Sequence 3450

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TTTTTTTTTTTTATTTTGGTTTGTTTAGGAGTACACGTCCCTAGAAGCACATAGCTCCAG
CAACAAAGCTAATCTGAGAGTAATACCCAAGATGCCTCCTACCTTGCAAATTTCAAGGAA
TTTCTCACTGGTGTATTTTCATAAGGATGCTCAGTGAAAGTAGCATAAGGAACTTCAGTG
GACCATGGGTTCCAGCGGGACANAANANACTGCTCCTCCGGACTCCCCCAGTAGATCCTA
AGGCCTTCTCCTTGGCTCTTGNCCAGGGACATCCCAGGGAAGGNGAACTTG
Sequence 3451

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTCCTTGCCCAAAATGTT
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CCTATAAGTCAATATTTGCATAATACTGCTAACTTGTTTTTTTTATTAGGTCATTCATTTC
ACTTTACAAATCCATTTCATACTTGTTATTAGATCCCTCTCTGGGCGCATTGTTGGAGGT
GTGTGGTGGTTCTTTACCCTGATCATAATCTCCTCCTACACGGCTAACTTAGCTGCCTTC
CTGACTGTAGAGAGGATGGTGTCTCCCATCGAAAGTGCTGAGGATCTTTCTAAGCAAACA
GAAATTGCTTATGGAACATTAGACTCTGGCTCCACTAAAGAGTTTTTCAGGAGATCTAAA
ATTGCAGTGTNTGATAAAATGTG
Sequence 3452

TCTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTTTTT
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AAGGGAGCCTTCATGTGCCAGCCCCTGTGCTGAGCCCTGGAGCTGTAGAGATGAGTGAGG
TGGATTTTTTGTCTGTAAAGAGTTTGCCGATGGGACCAAGTCTGTCATCTCTCTTTCCTG
GCCTGACCGAGGACAAGCACTTCTTAGTAACCCTGTGAATACCGATGCATCCCGTCAGTC
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TTGCTGAACACGACTCCCTTCCAGATGTTCAGGATTTAACAG
Sequence 3453

## Table 1

AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCACACACCCTCCAC
TACTCATCACCAGACAGGGAACCCTGGCTTGGGCCCACAGCACAGACCCTCCATCCTGGG
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CTCTAGGGTCTACTTGCCCTTGTGAGACACTTTATCCCAGCACTTTAGGAGTGCTGAGGT
CATACCAGCCACATCTCATGTGCAAGATTGCCCAACAGAGATCAGGTCCAAGAGTTCCTG
TTTTAAGAAAGGGGACTTGTTTGATAAGGGAAGTCTGGCCATGTTTGTGTGGAGCANCTG
TGCTGTGCTGGGGGTTCACTTTTGA
Sequence 3454

CCGCGGTGGCGGCCGCCCGGGCAGGTACTTTACTCACCCTTCCTCTGACAGAAAAGGATG
AAGTCAAGGGCCTGGTAGAGGCACCACTAAGAAAGGCATCTGAAAGGACCAAAGAGAGTG
ACCAGCAAGCATTTTTTGCAAGGCTGAGGAGCTGACAGCTTCCATGAAAGGCTGGACCAC
CCAGTGGTGAAAAGCATCATCTGGGTTACCTTGTGCTGCCATAAAACACACCACAGACTT
GGTGACTTAAACCACAGATATTTATCTTCTCACAATCCTGGAGGCTGGAAGTCTGCAATC
ACGGTGCCAGCATGGTCAGGTTCTGGTGAGGGCCTCTTTCCTTCTCACTGTGTGCTCCTT
TCTTGTGCATGGAGAGAAGAGAGCA
Sequence 3455

CCGGGCAGGTACGCGGGGAGACCTGACGCTGGGAGGAGATGCTGCCACCTAGGTTACTTG
TAGGACCCTATACGGCAACCTCCTTTGCCAGGAACTATTTATAAACATCCTGCAGGAAAA
TGCAGTGAAGTAGAAGAGACAGGGATATCCCAGAAGGTTATGCAAAACATCAAGAGAAGA
TGAGAGGAGTCTATATGTCAGAATACACATTTCCCACCTTGCCCAACAGTAAAAAAAAAA
AAAAAAAAAAAAGTACCT
Sequence 3456

ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTT
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TATTTTTGCATCAACCCAATAAATTTCAAAATGACAAAACTGNANATCCAGCACCACCCA
CACTGNCTTATTATATTTCTACAAAAGAGTGTTTTTTCCTGGATTAGACAATGCCCAGTA
ATNACCAAGACAACTACATTTGGGTCTGGCTTCAGAGACGACGACTGTGGAGCATTTGAG
ACGTCTGACAAACTTGAGGCCATTGNTGCGCCATGTTTTCCCAAA
Sequence 3457

CCCGCGGTGGCGGCCGCCCGGGCAGGTACCACTCANAAGCCTTCACTGTCAACTTCGGTG
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TGGACTGATTCTGTAATTCTCGTATCTTTTTTTCTCCCATTGTTCCCTTTATTTGGCCTTT
TGGTTCTGCTTTTTNGGGGAGAATTTTCTTTAACTTNATCTACCTTGAGGCTCAGTCCTN
ATCTGGTAAAAATGCTTGATAAAAAGGACCTTACCACCTAACCGTTGCTTGTGAAGGTGT
CAGTTGA
Sequence 3458

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TTGAAGAAGAGGGTAGTGAAGGAAAGGAGGAAGGCAAAACAGCAAGAGAGAGAAGAGGCT
GTTTGGAACATTCTGGAACAGGTTTGAAACAGCTCANGCAGGGAGAATGGAACGAAAGCC
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CACTTTGGGGAGCGAAAGCCTTTTAAGCAGAAAATACCAGCAAGTACCTCGGCCGNTCTA
GAACTAGTGGGATCCCCCGGGCCTGGCAGGGAATTCCGATATCAAGGCTTTATCGATACC
CGTCGACCTTCGAGGGGGGG
Sequence 3459

TTAGGGGCAANTGGAGCTCACCGCGGTGGCGGCCGANGTACTGACCCTAGACATAGGCAT

# Table 1

GGGCTTTGACTTGGNTTGNGGGNNTTATACTGCGGTNCNGCCAGGGGTTTTGTNTNAGTC
TNAACCATGACTNTAGTCTTAGTTGTATCTTCCACCTTGATCACTTCCCTTGTCACAGCC
ATAGCCTCCCCTGTAGGTCAACTGTATGTGTCCTGGTCATTGCTCCATCACCAGCTTTGG
CCTGGGTCACTGATTCTGTTTTCAGTTCTGCCTCAGCCACTGCCTCGGCCTGGGTTTTAC
CATTCACTCTAGCAGTGGCAGGACCACTGATTCCATCTTGCAGGCCAGCCTCAGCCTTTC
CTCTAGCCCTTGCTTCTGTCCCAGAGTCAACCATGTTCCAAGTTTAAACGTAAGGACAAG
TTATATACC

Sequence 3460

AGGTACCCTGGACTCATACCTGAAAGCAGTGTTCAACCTTAGCAAAATCTCCAACCAGCG
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CTTTTCTAAATTTAACCAAGAACTTCATCAGTTTCACAGAGAAAGNAATCCAGGACCGGA
AGGAGTCTCTTAAGGATAAGCTAAAACAAGATACTACTCAGAAAAGACGCCAGGATTTTC
TGGACATACTTTTGAGTGCCAAAAGTGAAAACACCAAAGACTTCTCTGAAGCAGATCTCC
AAGCTTGAAGTGAAAACGTTCATGTTTGCAGGACATGGACACCACAACTACTGCTATCTC
CTGGGATCTTTTTACTGCTTGGCAAAGTACCTGCCC

Sequence 3461

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AAGACTTAGTCTCACCCCTCTTCTGACTTTTTCAAAACAGTTTTCTAATTCCAGAGAAGA
GCCTGAGCTCTGAGAATCATTCTNCTTATTTTAATTTTCCATAANCTTTNGTCCCCGGAA
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TTTTGGAATCCAAGGGGGCAAGGCGGATACTTTGTCATAAACAGGANGCAATAATACCGTA
GATAATTGCAGTCAGTGGAGGAAAAGTNTGGCGCTTGCTGTGGCTCTTGACTGCTTCCTG
GGATTAAGTTACTAAGACCCAAAATGGTTGCAAACTGGTCCCATTGGCTTTTTGGC

Sequence 3462

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CAGTATTGGATCATTCCTTAGACACTAATCAGCTGGGGAAAGAGTTCATTGGCAAAAGTG
TCCTCCCAAGAATGGTTTACACCAAGCAGAGAGGACATGTCACTGAATGGGGAAAAGGGN
ACCCCNGNTTATTCNCCAGGTNNCNTTGTTAAGNCATTTCNANTTATNGCAAGGGAAAGA
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NATNACCCNCAGGNCTTCCCGTNGAAAACNAAAGNGGTTCNATTNCTTTANTTAACCAAG
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CCCTTNTGGGGGCCTTNCCTTTCNTNGGTTCCTTTCCAAGGAAAGGGGGGGGTTAAATTCC
TTCCTTAAAACGCAACCTTTAAGGGGGGGGGGCCCNTTTGGGGGGTTAAATTAAATTAATT
TGGTGTGGGGGGTTC

Sequence 3463

GGTACGCACAAGCAGGGCCCAGCTTGGGAGACGCTAGGATAACTAAGACCTGGTCAGCGC
CCTGAGGAGTCTTGTCTGGATAAAGGGAGACACACACTAGCTTGGACTTATGCGTGCAGC
GGAGCTGTGTAGAGCAGGAGTGCGTGGAGAGGGCAGCAATGAACTTTNGCTTGAGAAGCN
AGANAAAAGCTTTCGTGAGCTGGAACACGGGGGTAAAGTANGAGCTTTCCAGGGCGGAGG
GGACTTCTGAAGTGGAGGAAACTGCCTGTTCAGGACATGGAGGTAGGGATCAAAGTTNTG
AGTCATGTTGGGTGGGCACAGAGCAGAGGATGGCTGGGGGCGGTCTCAGGGATAAGGAAG
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Sequence 3464

GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCTATAGCACAAGCTGA
TGATAGCTGGCAACTGAACATTTGGCTTCAATGTCAGAGTAATAGAGTGTGGCAAACTGC
AGAGCTCATGCTCCGCCTAAAAGGGGCAGCTGCTGCTCAGCTCCTGCCAATTACCACCAT

## Table 1

GCAGGAATTTGGCCTANTGTGCTCAGCTCTTTCTGGTTTNTACCCAGAAGCCTAGGGAAT
CTGGGGTTTTTTATGTGAAATGGCCCTAATTTTTAAATGTTAGCATCCACTCTGAAAAAA
AAACAAAACACCGTGTGGGGCCAAATAAAACATTTGCTGGCCAAATGCAGCCTGATTTGC
TCTGGTTTTCAACCCCTGGCACAAGAATTTTGGTTCATTTCTCTCTTGNTGGNACCTTNG
GCCGCTCTAGAACTAGTGGGA

Sequence 3465

AATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTCCCTTGTGAC
TGGAGAGAAGTGTCACATTTTGCTCACTCTCAACCTTCCTCGCCCACCCCCTTCCCGGAG
AACCTGTGCGGTGTGTAGAGGGTGCTGTGAGCCACCTCCAGCCTCGGGTGGCTGCTTAAG
TAACTTTCAACTNCTNTNTTNTTAACACTTTTAAAANTNTTTTCGGGAAGCCGCAGGGGG
CNAAGGCAGCTGCTTTTCCTGGCCTCTTTGGCTGGGCTTCTTTTTTTGAAGATTTNTGCAA
CCCGGGGGGGCACCAGCCCACCTTTTATAACAAACCCGCTTNTGCCTGGTGGATAAAAGTG
GATAAGNATTTTATTTCCCAAAAANCAAGAAAGAAGGGAAAGCCATTATTTGCCACTGGA
AAGAAAAAATATTCCTTATCAACNTTAAAGCCTTGGGATAACCAGTAAAAAAACCAGGGA
CCNCAAGNAANGATGAAAAGGAGCCCAGNACATTGGGAAAAAATTTTCTTGGGGATTCCC
TTCAAAAT

Sequence 3466

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CACCCGAGGGACAAGTTCTTTCGGTGCCCCNGCANATTTNTTTTGNNCAAAAAGNNCCAA
AAGGGTCCCCTTTNGGGCCCCGGCNTCTTAAGAAACCTTAAGTGGGGAATTCCCCCCCCCG
GGGGGCTTGCNAANGGAAAANTTTCTGNATATATTCCANAGGCCTTTAATTCCGGAATNA
ACCCCGGTTCNNNAACCCTTCTCGAAGGGGGGGGGGGGGGCCCCCGGGGGTTANCCCCNC
AAGGGCTTTTTTTTTGGGTATTCCCCCTTTTNTTAAAGNTTGGGANGGGGGGGTTTNTAAAA
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TTAANGGCCATTGGNTTTTTTTCCCCTTGGGNGGGGTTGGGAAAAAAATTTTGGGTTTTAAT
TCCCCCGACNTTCCACCCANAANTTTCCTCCANCCAACCAAANCNATTTACCCGNAAGNC
CCCCGGGGGGGNAGGGCCAAATTAAAAAAAGGTTGGGTNAAAAAAGGNCCNCCTTGGG

Sequence 3467

ACACTACTTAGGGCGAATTGGAGCTCNCCGCGGTGGCGGCCGAGGTACATGGAGGCCGAC
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CTCAGTGCGTGGAGCTTGTGAANAACATGGAGGGGGGGTTGGGCGGTGTTAGGGGGCCTCC
ACCATAGGGACCAACCCTGTGCACCACTTACTGAGCATCTACTCATGCCCAGCTCAGCTC
TGAGGTCCCGCGTACCGGCCCG

Sequence 3468

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AAAAAAAAGTTTNGGGGGCCCTTTNTTTAAAGGGGGGAACCCGGGGGGGGAAANGCCATTT
TAAAAAAGGGGCCACCCAAGNAAAAACCTTTTTTAACCAATTTTTTTTTNGGGGGGGGGGG
GTTCNAATTTTTTTTTTGGGTTTTGGNAAGGTTAAGGGGGTTGGAAAAAGGNTTGGAAAGG
GGGGGGAATTTTTNGGGGGGGGGCCTTTTNGGGAAATTAAATTTTTTTTGGGGGGGCCCTTG
GGGCCCCCCCCCCAATTTCCTTTCNTTAAATTTGGGTTGGGGGGGGGGAAAACCCCTTCCA

## Table 1

AAAAAAAGGGGTTTTTAAAAAAAAAAAAAAAAACCCCCCCCCAACCCTTGGGGTTAAAGGGGG
GTTAAAAAAAAATTTTTTTAAAGGGNAAAAAGGGGGGGGGCCCAAGGGCCCTTTCCTTTTT
GGGGAAAAAAAATTNCCTTNGGGGGGGGGGCCCCCC
Sequence 3469
ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCAT
GGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCT
CTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGACAA
GACTCTCTTGATCTGCAAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAACGGA
TTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCC
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TCTTCTGTCCCGCTGGAACCCATGGTCCCTGAAGTTCCTTATGCTACTTTCACTGAGCAT
CCTATGAAATACACCAGTGAGAAA
Sequence 3470
NCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTT
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GGAGTTGAAATGGCCANAAAGGGAAATATCTACATGGTTTATCCTTGAGATGGCAAAGAC
ATCTGCACCAATGCACCACCCCACCGGGAGCATGCATTGCTAGCAGGTGAAATTCACATG
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GAGGCAAGTAGTCCTTGATTAGAATCCCAATACTAGCATTTGCTAGCTGCATAATCTTGG
GCATGTCACTCAANCTTCTCTCTGAACCACCCTCTCTTTACCT
Sequence 3471
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCCCATCAGCGTTGCACC
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ACTTTCAACTTACTAAGAAAGGGGATCATGGACATTGAAGCATATCTTGAAAGAATTGGC
TATAAGAAGTCTAGGAACAAATTGGACTTGGAAACATTAACTGACATTCTTCAACACCAG
ATCCGAGCTGTTCCCTTTGAGAACCTTAAC
Sequence 3472
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CATAATTTACGGTCTACAAAACTATTATTTTGTTTTCAAGGAAGTCGTGTTATATATTTC
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GAAGCATATCTTGAAAGAATTGGCTATAAGAAGTCTAGGAACAAATTGGACTTGGAAACA
TTAACTGACATTCTTCAACACCAGATCCGAGCTGTTCCCTTTGAGAAC
Sequence 3473
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CAAGAATTTGGACTGGGTGCAGGGGAGATAGTTTGTCCCTGCTCCATGACCTCTGGGCCT
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GCAGTTGATGCTGGCTGTCAGCTGAAGGCCTCGGTTCCCTCACATGAGCCTCTCTGTGCG
GTGTCTCCAAAGGCTAGCTCGTGCTTCCCCACTGCATGGTGACTGGGTGCAAGGACAGGC
ATTCAAGGGAAAAAGAGCCAGAGGA
Sequence 3474
ATACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAGTAGTGG
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## Table 1

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CTAGGGTGTTTTGTTTGTTTCCATCGTGACTACCAGAAAATTATAGAAGGCCAGACGCAG
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GCCATGGGCCCTAGGAGGAGATTGTCTCTAGAGGGTATCCCCTGTGCCTGGCACATGCAT
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TGGGTCCTCTGAGGCTCTAGAAATA
Sequence 3475
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TGGTCTCAGCTACCATTTTCCTGCAGGATGTTTATAAATAGTTCCTGGCAAAGGAGGTTG
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CACACAAGTTCTTCCTTCCATCTACCCCCGCGTACCT
Sequence 3476
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GATACTTGAAGAATGGTTAGGAGTTAGGCAATTGGGGTGGGAGGGAGGAAATGAAGCTGA
GACAAAGAATAGCAAGGGCCAAAACCTAGAAACAAGAGACTGTAAGCTATAGCAAAGGAA
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TGTGCCTGGGA
Sequence 3477
GGGCGANTTGGAGCTCTTCGCGGTGGCGGCCGCCCGGGCAGGTACTTGGCNNCTTTCCTG
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TCTATGAAATATGGAATCCAGGCTTAACCAGCTGTTTGAAATCACAACCCACAACCACTT
TGCTGGGTGTGTGCTCACACACACACACACACTGACACATGCTTGCTATACATACATACA
CACAGTTTCCATCTTTTTTTTTTTTTTTTTTTTTTGAGACAGAGTCTTGCTCTTTCGCCCAGG
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CAGCCTCCCAAGTAGCTGGGACTACAGGCACGTGCCACTACACCCGGCTAATTTTTTGTAT
TTTTAGTAGAGACTGAGTTTTGCCGTGTTGGCCAGGCTGATCT
Sequence 3478
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGGTATGACCTCAGCATTCCTAAAG
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TGCTGTGGGCCCAAGCCAGGGTTCCCTGTCTGGTGATGAGTAGTGGAGGGTGTGTGGTAC
CT
Sequence 3479
CCGGGCAGGTACGCGGGGAGGCATTGAGGCAGCCAGCGCAGGGGCTTCTGCTGAGGGGGC
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CCTTTCTTTCATTGGGGAGGTTCATATNAAANNTGAATATTACNACATACACATTATAGG
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Sequence 3480
GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTCTTGTTTAACCATCATGAGGTG

## Table 1

```
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TTTATTAACCGTGTGGTAGGTTTTTAACTCAGTTATCCTGGATATCCAAAGGTTTGTGGT
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```
Sequence 3481
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CACAGGATTGGCCACAACCTTGACCCCAGACTTCCAGCCTCCAGAACTGAAGGACTGAGT
TCATTTTCAGCGTGTCTGGCTTTTCCATTTCTGTGGCCTGGGAAGGAATTTCCCTGCACA
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ATTGTGAGGCCACCCCAGCCATGTGGAACTCTCCTACTGCACTGAGAAGCACGTGTTCTC
CATTTCCCTGGGGGGAGACCATTGTATTGGGCAGTTTGGAACAAAACACCATGG
```
Sequence 3482
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AACATTCTGTGGCTGAACATAAGAAATTGTGCATTATTAACGTTGTGCTTCAAGGTGGAA
TGCTGAAAGCACTTGGAAAGTAGTTGCCAGAGAAGAGCTCACTGAAAACATTATTAGCTT
TATATATCCACTTGTAGAATCTCTGTGCAGTGATACATCCCTCCCTTTCATCTTGATCAT
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AGAAGACAGATTGCTGCTTCTTCCTGGCTTGAATTCAGGTTATTTCAGCCGGCAACCAGG
AACTAGACTGAATGCAATCCTCCCACATCCAAGGTCCCCGCGTACC
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Sequence 3483
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AACCTTGCACAGCCTCTGGGGGTAACTGTCAAACTGTCAGATTTAACTT
```
Sequence 3484
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GATCCCANCCTTTCTAGGGCTGGGTAGTGGGAACCTCCCAAAATTGGAGTTCGGGTTAGG
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AGTTCCCAAAGGTTCACATCANAAACCAACTGCNTGGCTGNGGTGAAGACCATTGCCTCC
TNGCTTTCCAGGTAGGGGGNCTATTNCCCTAAAACCAC
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Sequence 3485
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GGCTTGAACAACAGACATTTATTTTCTCATAGTTCTGGAAGCTGGAAGTCCAAGATGAGT
ATGCCAATATGGTCAGAATCTGGTGAGGGCTTTCTTCCTGGCTTGCAGACAGCCACTTTC
```

## Table 1

TCCCTGTGTCCTCATAGGGTGGAGAGAGAAAACAACATCTTTGCTGTGTCTTCTCATAAGGA
TCTTATCAGATCAGGGCCCTCCCCTTGTGACCTCATTAAATCTGAGTTACTTCTATAAAG
TCCCTATCTCACATTAGGGGTTAGGGTTTTAGCATATGAATTTAGTAGGGAGACAATCCA
NTCCATTGCATTGTANCTGATTTGGAAATAAAGATT
Sequence 3486

ACAAACACAAAAAAGTTTTATTTAAAAAAAGAGTTTGACATTTAAAAGTTTGAAATAATA
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TATAGCGAAAGTATTGCCATTCAGTTCAATCTAATGGNATGAGGTTAGCTTTGGAGGCCA
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TATGTAGAAGTGAATATGATCTCATGGCAATGGACATCAACCATAGTTAATTATTAAGAA
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AAGAATAGATAAAATGTTCTAACATAAACATTCTTCCATTCTTTCTAGGAAGAAGNCACA
CATACNGTAAAAAATAATTAGAGAGGACCCAGTTCATATCGAACAACCTTCCCC
Sequence 3487

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TGACACAGCTGGTAAGTCAGTAGCTGGAGTTCATCTGCAGTGAAGCAGTTGTCATCCCAC
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Sequence 3488

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GCAGACAAACAACAATTGACAAAGAATAGATAAAATGNTCTAACATAAACATTCTTCCAT
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GAACAACCTTCCCCAAACCC
Sequence 3489

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ATCCACCCTCCTGACCTCGGCTAACCCTAGTTAAGTACCT
Sequence 3490

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## Table 1

```
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AAAAAAAGGCTGGATCTGACTATGATGTCAGATGTTAAATTTACTGCTAGCTCTGGGTGG
TTTAAACAATTCAGAACCATTATTCATTACATAATGTGAAAGTGAGTGCTGAGTCTGTGA
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Sequence 3491
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TCATATCCCTGCTGGAGTATTACATGTTTATTCAGGATGGACCACTTTTCTTAGCAACAG
TTTCTAAACCTTTGCCAGGTCTGGGAAGTCTGGCAGGAGAGATTTCTAAGAACCAATCAT
TCCTGCACACACTTCTTGAAGATAATATACATTATTCCCTAGTTATCTCTTCCTAGGTTT
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GAAAAATCAGCAATCCAGGTATTAAAAATAGCATGGAATGCCCAATTTTACTTTGATAAT
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GATCGCAAGTCTAGGTT
```
Sequence 3492
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TCTATTAACAACCTCAATCTTAAAACACAGCCAAATAATTAACTCAAATTTATTTTTTTC
TTCTCCCCTACCCCTTCCTTTTACAGCCAAAGAACCTGAAATTGGAAACTTAAATGTTTC
TGACATAACTCCCGAGAGCTTCAATCTCTCCTGGATGGCTACCGATGGGATCTTCGAGAC
CTTTACCATTGAAATTATTGATTCCAATAGGTTGCTGGAGACTGTGGAATATAATATCTC
TGGTGCTGAACGAACTGCCCATATCTCAGGGCTACCCCCTAGTACCTGCCCG
```
Sequence 3493
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TGTTCTGCATTACAATAATGGGATGTCATCACCATTGCTAGAATACTGGCATGATTCTTC
TGAGCAGAAGTTGAAACTGTAAATTTAAACCTTTTAATTATCACCTTACCTGAAAGAGGT
TAGTTAAGATATTCACACAGTATGTATTATATTAACCATATCACACTTAAGTTATTAAAT
TCAGACTATTTGTAACTTATTGTTATAGGGCCTGCCGTATGGCTTAGGATATTTGAGTAA
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AACATGGCGAAACCCCATCTCTACTAAAAATACAAAAATTAGCTGGGCGTGGTGGCACAC
ACCTGTAATCCCAGTTACTTGGGAGGCTGAGGCACAAGAATCGCTTGAACCCGGGAGGCG
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CTGTCTCCAAAAAC
```
Sequence 3494
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AGCGGCCGCCCGGGCAGGTACAGGATGGGAAGGCTTTGCTATGGATCCCAGCCTTTCTAG
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ATTAAATATGACCACTACTTGATCCCAAACGCCCTGCTGGAGCTGGCCCTGCTGCTTATG
GAGCAAGACAGAAACGAAGAGGCCATCAAACTTTTGGAATCTGCCAAGTAAGGCTTGGGT
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TGCCCAGAGAGCAGTGAGTGGAGTTGCTAGCAAGGCCAGTCTGGCAGTCTAGAGGGTGGA
```

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## Table 1

CCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTACTATTAGAATA
TTTGCTCTATGCGTTTCGACATTTCGTTCTGCTCACTGTTACACGTCCTAACACCTAGAA
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AACTTTGGAGCCACAGACAAACCCTCAAAAACAGGAAACTTGGAAAATGCAAAACACAT
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GGAAAGCACGCCCTTTTTTTTTTTTTTTGAGACGGAGTTTCGCTTTTGCTATCCAGGCTGG
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CTGCCTCAGCCTCCTGAATAGCTAGGACCACAGGCATGAGCCACCACACCCGGCTA
Sequence 3500

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ACACCTGGCTTTTTTCAGAGTAACTGAGCAAAAAGCCAGAGAGGCAGAGCCCCCAAGATT
GAAGCCACGGACTTTTTTTGAGACAGAATTTTGCTCTTATAGCCCAGGCTTGAGTGCAGT
GGCGTGGTCTCAGCTCACTGCAACCTCCACCTCCTGGGTGCAAGCAATTCTCCTGCCTCA
GCCTCCCGAGTAGCTGCCACAGACTTTTTATGACCTAATCTTGGATGTACCT
Sequence 3501

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GGGGTTCTGCTCTTGTCACCCAGACTGGAGTGAAGTGGCACAATCTCGGCTCACTGCAAC
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GCGCACGCCACCACTCCTGGCTAATTTTTGTATTTTTAGTAGAGACGGGGTTTCACCATG
TTGGCCAAGATGTTCTTGATCTTCTCACCTTGTGATCCGCCCACCTCAACCTCCCAAAGT
GCTGAGAGACTAAGACACCTTTCTAGACAGAGAGGAGGCCGATGGCAGACATTCTCAGAT
AGGTTTGTAGCTATTGACCTGGCTTGCATCAAAGGAGATGAAATCCCTTAGAAATTTGAC
AGCTTCTATGAAAATTTACAATCAAGAAGGCATAAGAACAACTGCTGCAGCTTCANAACT
ATTGCAAAAAAATAAAATGTCAACAGCTGGGAGAAAAAATT
Sequence 3502

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CCGGCTGTCTGCAACCTGCAAGAGGACCCTCACTAGAAGCTAGCCATACTGGCATCCTCA
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TATGGTAATTTTTTTATAGCAGTCCCAGCCAAGACAGTGCCTCATTTACTACATACCATT
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0

Sequence 3503

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ATGCAGGTGAGCTGGGGTGAGCGCTGTTGGGCTCCGGCCCCATGGCAGCATCTAGGGGTA
TTACAGTGTTCCTTTAGCTTTGCCATCCATGGATGGCTAAGTGTTAACCAACTCAGTGGA
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Sequence 3504

CGACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAACTGAAGCAA

## Table 1

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TGGGCATGATACGCCCATTTCTACTCTGACCTCCTCCCAGGAGAAACTCTTCTGCAAATG
ACCACAGTACCTGCCCG
Sequence 3505
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AGAGTACCT
Sequence 3506
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Sequence 3507
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CCTCTCGCAGGTTTCAGACATTGAATCCAGGATTGCAGCCCTGAGGGCCGCAGGGCTCAC
GGTGAAGCCCTCGGGAAAGCCCCGGAGGAAGTCAAACCTCCCGATATTTCTCCCTCGAGT
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GGCAATGGCTGTGCCCCTATCTTCTGAGAAGAAAGTTCAGTAATTCCCNTGAAAAGGTCA
AGGNAAAGATGATNGATTCTTTT
Sequence 3508
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Sequence 3509
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## Table 1

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AATANGAGAATCA
Sequence 3510
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Sequence 3511
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Sequence 3512
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GCCCGGCCGGCCGTCTAGAACTAGTGGATN
Sequence 3513
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TCACCATTAGTGTCCATACNTTGTAGGTGCTTATGAAATAACCCTCAGCCAGGACAGCTA
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Sequence 3514
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## Table 1

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Sequence 3515
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ACCAAAACAGAGGCAGCCAAAGCAGGGAAAAAAAAAATCCTAGGATCAGAGTCCACTCTA
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GCCCGGTACCTGCCCG
Sequence 3516
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AGC
Sequence 3517
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CAAGCCTGTCTTCATAGTGATGACAACACATTTAACATTTGTTTTGATTTTACCCTCTCC
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CCACCACAACCACACTCTGGAGGAGGAATGCCAA
Sequence 3518
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TCCTGAACCTCCATGTAAACCCATTTTTATATCTATCAATTTTTGTTGGTGTCAATTTCA
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TATCTCTAATGGAAAACTGAAGTTTATCTATGTTACATTATGCCACTGAAATAAACATAT
CCCAGCTGTTGAACAAGTGACACTTCCTGTCTACCACCAGAAACAGCAGCCCCAGGATAC
G
Sequence 3519
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CCTCTCGGCGTTCAAATGTTCCTCTTCTCTCTTTCTCTACTGNATCCGTTTCACCATTCA
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NAAATTGAANCCCG
Sequence 3520
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TTGTAGGACCCTATACGGCAACCTCCTTTGCCAGGAACTATTTATAAACATCCTGCAGGA
AAAATGAGTCAAGGAAAGCTTTTTCTTTTGAGCTATTTACAGCTTTTAGCAATTGAGTAAA
GTATACTCCTGTGAACAAAATTTGGAACATATTTGTTTCTCTCTAACTGATTTCTCCAGA
ATTTGGAACTAGTTAGTCTATATGTCAGAATACACATTTCCCACCTTGCCCAACAGTANA

Table 1

AAAACATAAGNAAGAGAAAAACATTAAAAAATGACAAGGAANTTAATGGGAAAGCAATTG
TGGATGGTGTTTGGAGGTGGGAAGCCTTCAGAAAGGTAATTAATGCC
Sequence 3521
AGGTACTTAGAGTCCAATTTTCCTACCTTGGCTTGTGCATGAGGTTGCCTGGTTGCCACG
GTGCCTGCTTTTCTCCCTGTGTCACCTCCACTGCCTCCTGAATAACAGTCTCAGGTTTGT
CTATGGCCTCTGCAGGGAGCCGGGNATTCCCAGACAGGAGCAAGGCCAACTTTAAAATNA
AGGGTGGGGGACGGCCCTCTTCCCCCCNTCTTTGGGGCCCGGGNAGTTCCCAAAACTTCNC
ACCGCAAGGGCAACCAGGAAGAATCCCCCAAGNATGGGGNCNCCCCCCAAGTTTTNTGGT
GNAGGAAAAACCAACATTTTTCAATNCTNGTTCCCAAAAACCNCCCAAAAAAGGAAATNG
GGAACCTTCAAGNAAGAACCACCANAAAAAGCAAAACAAAATTNGGGAAAAGGAAGNAAG
AAATTTTTTTTAAAATTGGGGTTGGAATTCCGGTTGCCAAAGGNAAATGGGGGTTGGTCC
TTGGGTTAGGGCCAAGGGCCCCCCGGCCGGTTACCACTTGGCCCCCCGGGGGCCG
Sequence 3522
CCGGGCAGGTACGCGGGCAACTATTGCAATGAAAAATTTCAACAATTTTTTAATGAAAGG
ATTCTGAAGGAGGAACAAGAACTTTATCAAAAAGAAGGTTTAGGTGTTAATGAAGTGCAT
TATGTGGATAATCAGGACTGTATAGATTTAATTTGAAGCCANAATTAAGTGGGGGGAAAT
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AAGCCCCAAANGTTGGNATTCCAAAACCAACCTTTTTTAACCAATTTCTTTGGCNAAGGT
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AAAGGGCCTTGGGGGGCCCAAGGTTTTTTCCAATTTAAGNNGNNAAAANTTAATTTNCAA
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TTNGGGGGGAAG
Sequence 3523
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AATTTTGGTGGGTGGAAACCATGGCTGGGGACCCGGTGGGGAATAGCCATTGTTTGGTGG
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CCCTTTTCCTTTCCAAACCCCCGGCCAAAACCTTGGAAAAAAGGGGGGCCTTTTTCCAAG
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CCCAAAGGGGGGGGGAAAAANTTNTTTCCTTTCCCTTGGGNAATTTAATTTAACCCTTTTT
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CTTTGGGGGGGTTNCCCCCCTTTCCGGGGGGGCCCCCCGGCCCTTTCCCTTTAAAGGAAAAA
ACCCTTAAGGGGTTNGGGGGGAAATTTCCCCCCCCCC
Sequence 3524
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## Table 1

Sequence 3525
AGGTACGCGGGGGAAGTTAATGGAAGCAATGTGATGGTGTTTGGAGGTGGAGCCTTCAGA
AGGTAATTAATACCCTTGTAAGAAGAGGCCAGAGAGCTTGCGCACCTTCTTCCTGCCATG
TGAGGAGCCAAGAAGCCGGCTGTCCTGCAACTCTGGCAAGGANGACCCCTTCNCTTANAA
AANCTNAGCCCATTACCTTGGGGCCATTCCCTTCAATCTTTGGGCCTTTTTCNCCAAACC
TTTTCCCCAGGAAACCTTGGTTGGAAGGAAAAGGTTAATTAATTGGTTTTTTGGTTGGGG
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TTTTTTTAAATTAAGGNCCCAAGGTTTCCCCCCCAAGTCCCCCAANAANGAAACCNAAGGT
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TTNCCAAGGNAAAAAAAACCCCCCCAATTTGNTTNTTNCCANAANAATTTANNACGGGAA
AGGGAATTTAAAAAAGGNAAATTAACCCTTTGGGAAAAAAAACCCAACCCAATTTAAAAC
CCAACCCCCTTTTTNCAAACCTTTAAGGNTTTTTTTTTTTA
Sequence 3526
ATACGACTACTATAGGGCGAATNGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTT
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TAAGTAGCAAACATCATGACACTTCACCCCTCAAATATTTTCCCACGTATCACTTAANAA
CAAGGGCATTCATTCTGNTACATGACCACAATNCCAATCCNCNCCAAGATAGGATATTAA
CATTGACACAATGCTCNGATGTATNGGTNTCTACTATGCAGTNCATAATCAAATAAGGGT
TTTGGTAACTNGGGATC
Sequence 3527
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GGGGGGGGGGGNGGGGCCCCCCCCGNGGGTTAACCCCCCCAAGGCCTTTTTTTTTTTTGGGT
TATTCCCCCCTTTTTTTAAAG
Sequence 3528
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TGGTGTGTCAGTGTGGCCTGTCCATCCCATCTCATGTGAGTGTTCCACACACAGATTTCA
TGATACTTCTTCCCACATGGATCTACTTTCTTGAAGATCCTCCAGTGCTGACTTGGAGCC
CATTGTGCATATTTCTTCCCAGTTTTATGTTCAGTGGTGTCACATTGGTAGCTTCAAATC
AGCCATGGTGAGAATATCTATGGCATGAAAATTGGCAAACAGTACCTGCCCG
Sequence 3529
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## Table 1

Sequence 3530
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TNTNAGGATGAAAAAACAGGGCTGCCAGGGGTGTNTAACTTGCACCAANTNNCCCTACTT
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GGNGCCTTTGANCCNCTGGANTTNCCTTTTGGCCCTTGTTTNAAAATGGGTTTGGAAATT
TTCCCCTNNGNCCCCCNGGGGGCNTTTTTTTTTTTTTT
Sequence 3531
ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGGTAGATGG
AAGGAAGAACTTGTGTGCTTAGACCTGACGCTGGGAGGAGATGCTGCCACCTAGGTTACT
TGTAGGACCCTATACGGCAACCTCCTTTGCCAGGAACTATTTATAAACATCCTGCAGGAA
AATGTGAAGTANAANAGACAGGGGGATNTTCCCAGANGGTTATTGCAAAACATCAAGANGA
AGATGAGAGGAGTCTATATGTCACGAATACACATTTCCCACCTTGCCCAACAGCANAAAA
AAAAAAANAAAAAAAAAAAAGTACCTGCCCGGGCGGCCGNTCTAGAACTAGT
Sequence 3532
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Sequence 3533
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GNGCCNCCCGNCNTTTCCTTAAAGTAAAAACCCTTAANGGTTTGGNNGNAATTNCCCCCC
CCCCC
Sequence 3534
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GCCAAAGCGGGGATCTGCTGGGGCACAGTATGCAATTTAAGGAAAACCCCCAAAGGCTAC
AGGCGACCTGCTGATCAGGAAAGAATTTCGCTCTTGTCAAGTACCTGCCCG
Sequence 3535
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CACACTCATAGAACTTGTTACACGAGGCCGATCTATCCCCGTACCTGCCCG
Sequence 3536
NNATTGGAGCTCCCCGCGGTGGCGGCCGAGGACGCGGCAATAGAAGCCGGCGTAAAGAGT
GTTTTAGATCACTCCCTCCCCTTCTACTCAACCTGGTGACTCATCTCTCCGATTGCAAAG
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## Table 1

ATTTAAGGAAAACCCCCAAAGGCTACAGGCGACCTGCTGATCAGGAAAGAATTTCGCTCT
TGTCAAGTACCTGCCCG
Sequence 3537
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Sequence 3538
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Sequence 3539
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Sequence 3540
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Sequence 3541
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TCTATTATAATATTATGGGACCAGCATTGTATACACAGTCCATCCTTAACCAAAACATCA
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## Table 1

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GGAAGAAGTGGAGCAAAGGCATTACTTCTTTT
Sequence 3542
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Sequence 3543
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Sequence 3544
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Sequence 3545
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GCCCGGGCGGCCG
Sequence 3546
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Table 1

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TTAGTCCTTTCAGGCTGCTGTAACAAAGTACCTGC
Sequence 3547
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Sequence 3548
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Sequence 3549
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GGTNTTACTTTCTCTTCCAAAAATGCCGAATCATGGTGCTTCTAATTTTTATATATNATT
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TGAAAAAAAA
Sequence 3550
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## Table 1

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CGGGGGGGGGGGAATTTNNNTAANNTTTTTNANCCCCCCCCCC
Sequence 3551
CGACTACTATAGGGCNAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCAC
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Sequence 3553
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## Table 1

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## Table 1

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Sequence 3563

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AGGAGTCAAAGGGGCCTAGTTT
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Sequence 3566

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## Table 1

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Sequence 3568
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TTCAAAAAAAAT
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Sequence 3572
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## Table 1

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GGACAGGCGAGGCCAGGATGGAGCCCCCGACCCCACNGAGTACCTTN
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Sequence 3577
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## Table 1

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Sequence 3581
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Sequence 3582
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```

## Table 1

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GACGGGGGTGGTAGTGCGAACCATAGCAATATTGGCATAGGTGCCAATCTGTAGCTCTTC
CAGAGACTTGGACATGAACTCTGGCTTGGGGAACTCAGTGATAAACAATTTGAGGAACTT
CAGAATGCGCTTGTGGGTGAGGATGTACATGCCGGCTTCCCTTAAGTTGATTAGATGGGA
AACCAAACACCGTCTTTCAAGTGTGAGGCTGTGCCATGCTCCCTCAGGGAGGAGGGGGCGC
TGGGTCTGACCAGGTCTGCCTCTGCCCTCACCAGCTGGCAGACGTGAACTGGAGAACAGC
ACCAGAAAGGCTGGTGGTTGGCAGCTGCTCACGACACAGTTGCTGACCTGCAGCANATCG
GCTGTGGGTGAGCANGACAGTCAAGGCCCTCACAAGCACTGTTCTGGAGTTTCGTCTGAC
TAGGTGAACCCTTNTGGCTTTTCGAGGACGCANGGTACCTCGGCGCTTTAAAACTAGTGG
GATN
Sequence 3587
GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTT
GTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCA

## Table 1

CCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGGA
GTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAGTTCCTTATG
CTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTGAAATTTGCAAGT
TGTCTGGGTTCATGTCTAAGCTTGTTCCAGCTATCCAGAATGCCCACAAGAATTCANCTG
GATCTGGAAGAGGAAAGAAACTGATGGGTGTTAACTGAACCCGTTTTGATTGAAACCTAC
ACANGGCTGATGTCATTCATTGGAAACCGCAACAAACTTGGCTATTTCCTTTGCCGTGGG
ANTATTGGTTTTTGAAAATCTTTTTTGGTACCTCGGGCCGTCTAANAACTAATGGGATCC
CCCCGGCCTGCAGGAATTCNATATCAAAGCTTATCNATACCCGTCCAACCTTAAGGGGGG
GGCCCGGNA

Sequence 3588

CCGCGGTGGCGGCCGAGGTACTTTNTTNTTTTTTTTTTTTTTCTCTAAAGAAAAAACTTAA
TGACCTTTCAAAATGAATAGGCCCGATTTATGATAAATGATTAGTTAACAATTGAAGTTT
TTTAGTTTCTTTCTTTCTTGGGAAACAAAAAATACTCACTTTTATTATTAAGCCCATAAT
ATTTGGTAGTAATACAAATATTTCCTAGTGGCTCCCATTCTCTAGCAGCAAGTCAAACAG
CCTCAAGAGAAAGTATTAAAATTGTGCTATTATGACATAGCAGATAATCTGGAATAAAA
CAAATCCCTCTAGGATCATTATATCCTAAAAGTTCTTTGCCCCANTCTTAGAACATGGCA
CTTTTGAGCATGCTAAAATCATGATAAGGACATATTTCTCTTCTCATTTCACACCAATAA
AGGAGGAAAAAAGCCTTGTCCTATAGGCACCATCAAAATAATCTACCCACCCCCAAC

Sequence 3589

CGCCCGGCCAGGTACGCGGGGGAGATGCTGCCACCTAGGTTACTTGTAGTGACCCTATAC
GGTAACCTCCTTTGCCAGGAACTATTTATAAACATCCTGCAGGAAAATGCANTGAANTAG
AAGAGACAGGGATATCCAGAAGGTTATGCAAAACATCAAGAGAAGATGAGAGGAGTCTAT
ATGTCAGAATACACATTTCCCACCTTGCCCAACAGTAGAAAAAAAAAAAAAAAAAAAAAAA
ANGGTACCT

Sequence 3590

CCGCGGTGGCGGCCGCCGGGCAGGTACTTTCATCCATAAAGGCCTGCAGCTGTTTCACTG
ATCCTTGCAGTTCATCCATCACCAACTCCATACAGTCAAAGACTTTGCTCTGGTTCTGTA
ATATTTTCTGGTAGTCAGGTTTTGATTAAGAACTTCATTCTGAGAAGACCCAAGATATGT
CATAGGTTCCACTTTGACCTCAGTAATTTTGGCCTCAGTTGATCCTCTGGACAATATCTC
TTTAGCCTCCTGCTGGTAGTGAAGCAAGAGCTGATCCCAAGTCTGACGTTCTAAAGAAAA
CTTTGTTATGTATTCCTTCATCTCAGCCACAGATGCTTCCAAAGAAAAATCTGATGCTTT
TCCATTTGAATCTTCAAAACATTTTTGTAGAAGTTCCATCAGTTTCCAAGTCCGTCTGCA
AAATGTTTCAATTCTTCAAAAAGAGAAAAATGCTTTTGGCTCTAAAACTTTCAAAG

Sequence 3591

NCGGCCGCCCGGGCAGGTACGCGGGATAGCAGTCCCAGCCAAGACAGTGCCTCATTTACT
ACATACCATTTATATTATTATATAGGCTCCTTTCAGAAACCCATGTTCAAATAAGAGATA
AGATACTGAAACACATAACACCTTCACTAGTTTTTAGTATACAAATATTGAGAAATAGTT
TGTTATTAACTATCTCATCCAAGAAATGCACGATTCATGTTGTTTCTAATTTTTATATAT
AATTGACAAAATGAAGAAACTTAACACCATCCTAGATTTTAGCTGCCCAAAAAAAAAAAA
AAAAAAAAAAANGTCCT

Sequence 3592

GTATGACCTCAGCATTCCTAAAGTGCTGGGATAAAGTGTCTCACAAGGGCAAGTGGACCC
TAGAGAGACAGCCATCCCTGACCTCTGGGCTCCACATCACCTGACTTGCTGCTCCACCAC
TTTGCTTGTTTCTGGGTGCTCCATCCCAGAGACGAGTGAGTTAGCAATCACTTAGTGTAA
TCAGCCCAGGATGGAGGGTCTGTGCTGTGGGCCCAAGCCAGGGTTCCCTGTCTGGTGATG
AAGTAGTGGAGGGTGTGTGGTACCT

Sequence 3593

CGAGGTACATCATTTCCAGAGCAGGCACTGGCAGCGAGATAGGGTTGGAGGAGAAGTAGC
GCCGGGACTTCCGGATGGCAAACTTCTCTGTGGGTAGAGATTTCCCAGCAATCTTGAGCT

## Table 1

TCAGGCCTGGACAGCTCGAAATAATTCCACTTCGTCGTCCCCGAACGGCTTGTGGTCCTC
CTTCCCAAACATGCTGAGGTAGGCGGCCTTCATGTAAATGTAGGTGGCCTTTTTAAGTCA
GATCATGTCAGTTCCTTCTGGAAATCTGGTTATATTCCATCACACTCAGGAGACATCTCC
TACAATTTCCTTGACACCTGCAGCACTCCCGCGTACCTGCCCG
Sequence 3594
CCGCGGTGGCGGCCCGAGGTACCCCTCCCATTGTGGTAGTCCCAGCAGTTTACCAAACAC
TAGTTCCCCTAGTAGAGCCAGCCTATGAGAAGAAAAGCTTTGTTGGCCAAGTTCTTACAT
TAATGACTTCATAGTAAGAAACTGTTTCAAAGTGAATTAAGGAAATCATCACAGAGAATA
TTTTCAAACAGATGTTTCTCTTTTTAAAAAGTGATAGTAAGATGAACTTGTAAAAAATTT
CCTCTGATGTTAATTGTAGAGTTGTGGGGGACGGCCTATTTTTCTCTACCGTTGGGACTG
GCAGGGCATTGCCCACCATATACCATAGTGGTCACCAAAAAAGAAACCTCTTCAACTTGA
AAAGGGAAGTGAACATGAGCCATGAGAAGAGATTTAAAAAGACCCCTGTGCTTGCAGNTA
ATGCCACGTTGATTGGATTATCTGTGCTTCAAAGGGCACAGAAATCTTAAAGGGATTTTT
AGCCCCATGGTAGAATATTGGCCTTTTGGCCCTGC
Sequence 3595
CGAGGTACGCGGGGAGTCTAGTTCCTGGTTGCCGGCTGAAATAACCTGAATTCAAGCCAG
GAAGAAGCAGCAATCTGTCTTCTGGATTAAAACTGAAGATCAACCTACTTTCAACTTACT
AAGAAAGGTATTAAGCGCCTTTCTGAGAGCTCTCAGTGGGCTTCCTAAGCACGTTCACTC
TGCCTCCTTTAAGTCTTATATTTATGATCAAGATGAAAGGGAGGGATGTATCACTGCACA
GAGATTCTACAAGTGGATATATAAAGCTAATAATGTTTTCAGTGAGCTCTTCTCTGGCAA
CTACTTTCCAAGTGCTTTCAGCATTCCACCTTGAAGCACAACGTTAATAATGCACAATTT
CTTATGTTCAGCCACAGAATGTTCACGTGTGATTTGGTTACAACATATTGCTCTATCCAG
GCCTCTAACAAAACTGACTTCTTTCAAATGGACTTGCAAGTTGCTGAATTCCAAATCAAC
ACTTTATCTTAAAAACAGAAAAAGGAGGGGAAGGGTGGAAGGGAGGGGAACAAGAAAGGG
TACCTGCCNGGGCG
Sequence 3596
GTCGAGCGGCCCGCCCGGGCAGGTACCACACACCCTCCACTACTCATCACCAGACAGGGA
ACCCTGGCTTGGGCCCACAGCACAGACCCTCCATCCTGGGCCGATTACACTAAGTGATTG
CTAACTCACATGTCTCTGGGATGGAGCACCCAGGAGACAAGCAAAGTGTTGGAGCAGCAA
GTCAGGTGATGTGGAGCCCAGAGGGCTGGGACAGCTATCTCTCTAGGGTCTACTTGCCCT
TGTGAGACACTTTATCCCAGCACTTTAGGAGTGCTGAGGTCATGCCAGCCACATCTCATG
TGCAAGATTGCCCAGCAGAGATCAGGTCCAAGAGTTCCTGTTTTAAAAAAGGGGACTTGC
TTA
Sequence 3597
CCGCGGTGGCGGCCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGC
TGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGAGACAAGGAGAAGG
CCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATG
GTCCACTGAAGTTCCTTATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAA
ATTCCTTGAAATTTGCAAGTTGTCTGGGTTCATGTCTAAGCTTGTTCCAGCTATCCAGAA
TGCCCACAAGAATTCAACTGGATCTGGAAGAGGAAAGAAACTGATGGTGTTAACTGAACC
CATTTTGATTGAGACCTACACAGGGCTGATGTCATTCATTGGAAACCCGCAACAAACTTG
GCTATTCCCTTGCCCGTGGGAAGT
Sequence 3598
GGAGCTCACCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGTTCTCATTCTTTTCTCCTTT
ATCTTCACTCTGATTTTTCTTTTGTCATTCAACGCTTACTCCCTTCCCCATACCTCAGTC
CTCCAGGTGACACCTGGGCGCTTTTCTGCTGAACAGCATTTCCCACCAACGGCCACAGCA
GTCGGTCAGTGTCCTCTTGAGCACCTCCTGAAGCTGCAGTGTCATTTGCTGTTTGCCCTA
AAAAGCCACGCCCAGATTTCTTCTACCGCTGCTTCCCTGATGGGCTAGCCCATTCTGACT
TGATGTGTACCT

Table 1

Sequence 3599
CCGGGCAGGTACTCAGTGGATGACGAGTGCTTGGTGAAATTGTTGAAAGGCCTGTGTCTG
AAATACCTGGGCCGTGTCCAGGAGGCCGAGGAGAATTTTAGGAGCATCTCTGCCAATGAA
AAGAAGATTAAATATGACCACTACTTGATCCCAAATGCCCTGCTGGAGCTGGCCCTGCTG
CTTATGGAGCAAGACAGAAACGAAGAGGCCATCAAACTTTTGGAATCTGCCAAGCAAAAC
TACAAGAATTACTCCATGGAGTCAAGGACACACTTTCGAATCCAGGCAGCCACACTCCAA
GCCAAGTCTTCCCTAGAGAACAGCAGCAGATCCATGGTCTCATCAGTGTCCTTGTAG
Sequence 3600
CGGCCGCCCGGGCAGGTACTGAAGTCCTCAGCCTAGTGCCTCCCGATGCGTTATTTTCAC
ACAAGCGATCGGGTTAACGCCACAGTTCCACATGGCTGGGGTGGCCTCACAATCATGGCG
GAAGGTGAAGGAGGAGCAGAGGCAGGTCTTACATGGTGGCAGGCAAGAGAGCCTGTGCAG
GGAAATTCCTTCCCAGGCCACAGAAATGGAAAAGCCAGACACGCTGAAAATGAACTCAGT
CCTTCAGTTCTGGAGGCTGGAAGTCTGGGGTCAAGGTTGTGGCCAATCCTGTGTCTGGCA
AGGCTGCTTCCTGGTTTGCAGACACCATTTTTCCTCCCTGTCCTTCANCCCACAGCAGT
Sequence 3601
AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTGGTAACAGATCTAATCTTCCACGTAAGC
CTCTTTACTGGANAAGAGTAGATGGGAGGGCAGGTGGGATCTATTTAGACAAATCCGATA
TATTCAGAATGATTCAGTAGGCAAAGAATTCCTCCTGGTAACNAATCTGTGTGTCAAGGT
CCTTACCTTGGCTCTCACTGTCCTCAGGATTATGGAGGGGAAGATGATGCAGAATTCGCA
CATGTCTTCTGGATCATGGGGGACTTTGCTGAGTGTGCCTGCCATGGTCCGATCTCTGAT
TGATAGGAGTGACTGCTGAGATC
Sequence 3602
AGGTACTTTTTTTTTTTTTTTTTGTCTGGAGAGAGAGAGATGTTTTATTTTTGCCAAAGCAT
GTGAGAGTAAGTAGCAAACATCATGACACTTCACCCCTCAAATATTTTCCCACGTATCAC
TTAAGAACAAGGGCATTCATTCTGTTACATGACCACAATACAATCAGCACAGATAGATAT
TAACATTGAGACAATGCTCTGATGTATTGGGTATCTACTATGCAGTTCATAATCAAATAA
GGGTTTTGGTAACTTGGGATCCATAAATGGTCTGCAAGGTCAGCCCCTGTAGACCTGCAC
TTAGTGGGTGCCATTTCCCT
Sequence 3603
CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGGAGAGAGATGTTTTATTTTT
GCCAAAGCATGTGAGAGTAAGTAGCAAACATCATGACACTTCACCCCTCAAATATTTTCC
CACGTATCACTTAAGAACAAGGGCATTCATTCTGTTACATGACCACAATACAATCAGCAC
AGATAGATATTAACATTGAGACAATGCTCTGATGTATTGGTATCTACTATGCAGTTCATA
ATCAAATAAGGGTTTTGGTAACTTGGGATCCATAAATGGTCTGCAAGGTCAGCCCCTGTA
GACCTGCACTTAGTGGGTGCCATTTCCCTGTC
Sequence 3604
AGGTACGCGGGGGGAAAAAACACCTGATGAGGCTGCACCCTTGGTGGAAAGAACACCTGA
CACCGGCTGAAAGCTTGGTGGAAAAAACACCTGATGAGGCTGCATCCTTGGTGGAGGGAA
CATCTGACAAAATTCAATGTTTGGAGAAAGCGACATCTGGAAAGTTCGAACAGTCAGCAG
AAGAAACACCTAGGGAAATTACGAGTCCTGCAAAAGAAACATCTGAGAAATTTACGTGGC
CAGCAAAAGGAAGACCTAGGAAGATCGCATGGGAGAAAAAAGAAGACACACCTAGGGAAA
TTATGAGTCCCGCAAAAGAAACATCTGAGAAATTTACGTGGGCAGCAAA
Sequence 3605
CCGGGCAGGTACCAGATTTTCACCGCTATGCCTCCTTTCACTCTGGGAGTCTTCCAGAGG
TCTTGCACTCGGGAGAGCATGCTCAGGTTTCCCCAGCTCTACAAAATCACCCAGAATGCC
AAAGACTTCAACACAAGGATACTGTGTTGACCAGTGGTCATGCCACTGCCTGTTGATTTG
TTGAAAATATTGTTTACACGTATGTTCTTGTTACTGATTGTCAGAAAGCTGGTTTTGAGA
CTGCAGCTTGGACTAAATTCAGTCATCTGGCTGTCTGGGGAAGCATGCTGACCAGTCTGG
TGTTCTTTGGCATCTACTCAGCCATCTGGTCCACCATTCTCATTGC

## Table 1

Sequence 3606
AGGTACCTGAATGAGCCTGGCCTGGTGCTGTGTCTCCAGACTCGACACAGCCCAGAAAGA
AACAGGTGAACACACTCCTGAGAGCCGAAACTGGACTCTTGCTGATGGACTCATGGCAAT
ACTCCAGCCAAAGGCTGCTCCGAGTCCTAGAAGGGCTCGGAACTGTCCTGGGTAAGCCTG
TCGACACAGTAGGGACAGAGAGGGGTTAGTGTCCTCTTTCACAGCACTAAGCATGTTGTT
GCCCACATGCAACAGTTATGACAAGAACAGCAAGTCCAATTCAGGAAATACATGTCTTTA
TCAAAGAAAATAGATGTGACTGACACAAAGGCTTGCTCCAGAAGCAAAGGCGCAC

Sequence 3607
AGGTACGCGGGGAGACCGTGTGTTTCCAAAATGGCGGCAGCGATGGATGTGGATACCCCG
AGCGGCACCAACAGCGGCGTGGGCAAGAAGCGCTTTGAAGTGAAAAAGTGGAATGCAGTA
GCCCTCTGGGCCTGGGATATTGTGGTTGATAACTGTGCCATCTGCAGGAATCGAGCGGCC
GCCCGGGCAGGTACGCGGGTGTTTGTGGTTTAGTCAATGGTCTATGGTAATTTTTTTTATA
GCAGTCCCAGCCAAGACAGTGCCTCATTTACTACATACCATTTATATTATTATATAGGCT
CCTTTCAGAAAACCCATGTTCAAATTAAGAGATAAGATACTGAAAC

Sequence 3608
CCGGGCAGGTACTGAACACTACATGCTATGCACTGCTCCAACATTTTTAAGTGTCCTAAT
TTATTAAACTCTCACACATTTGAATAGGGAGGTTTCACTGATCAGGAAATAGAGGATCAG
AGCATTTAAGTAACTAGCTCGAGGTCACAGAGCTAATAAAGGGAAGAGCTAAGATTCAAA
CTCAGACAATCTAGCTTCAGAACTGATGCTTAATGTGTAAACATCCTTTCTTTCATGTCC
TTCAACATTCCCATTTCCCATCTGTAACCAAACATATGGAAGGCATAAATTTCTTTTATG
GGTCCTAACATCACCACAGAGCCCTAGATAAATCTTAAGTAGGTGCTGGAT

Sequence 3609
AGGTACAACTGAAACAAAGAGGAAAGCAGACCCATGGCTCAGGACACATGGGAGTCCCAC
CAGCTTGAAAAAAATTTCACAGAGCTGGCATTTCCATCAGTGCAGACACGGCTCTGAAAA
CAGTAATTGCTGCCTTATGGGCATGATACGCCCATTTCTACTCTGACCTCCTCCCAGGAG
AAACTCTTCTGCAAATGACCACAGTACCTGCCCG

Sequence 3610
CCGGGCAGGTACAATCTGGAGCTGGCCTTTCATCATCATCTCTGCAAGACTCATCGCCAA
AGCATCCTGGCAAAGCTGCCACCCAAGGGGAAGCTTCGGAGCCTGTGTAGCCAGCATGTG
GAAAGGCTGCAGATCTTCCAGCACCTCCACCCCATCGTGGTCCAAGCCGCTTTCCCTCCA
CTCTACAAGGAGCTCTTCAGCACTGAAACCGAGTCACCTGTGGGGCTGTCCAAGTGACCT
GGAAGAGGGACTCCTTGCCTCTCCCTATGGCCTGCTGGCCCACCTCCCTGGACCCCGTTC
CACCCTCACCCTTTTCCTTTCCCATGAACCCTGGAAGGGTGGTCCCCACCAGC

Sequence 3611
CCGGGCAGGTACATGACGTTGCTTACAAGTTTGATGTAGGACAATTAATCCTTTTCAAAC
ACTTCTAATTTAGATTAAATCACTGACCAGCATTAACAAAGAAACTCTATAATAATAGGG
TTCCCTCCTGGCACCCAAAACTGCCAGGAGAAGCTCCTGCCATCTGCAAACCTGAACTGC
AATAAGCAGGTTGGAAAAGGATCAAGTGAACGAATGGAAAGTACCT

Sequence 3612
AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTGGAATACTCAAAAAACATATATTTGCATGTGC
CAGGAAAAGGTAAGGAAAAGGGAGCCTTCATGTGCCAGCCCCTGTGCTGAGCCCTGGAGC
TGTAAANATGAGTGAGGTGGATTTTTTTGTCTGTAAAGAGTTTGCCGATGGGACCAAGTCT
GTCATCTCTCTTTCCTGGCCTGACCGAGGACAAGCACTTCTTAGTAACCCTGTGAATACC
GATGCATCCCGTCAGTCAGCAGCTTGTTTGCGGAACACCAGCTGCAGGCCAGGCACCGTG
CTGCAAGGCGTANATATGTTGCTGAACATGACTCCCTTCCAGATGTTCAGGATTTAACAG
G

Sequence 3613
AGGTACGCGGGGAAAGGGCAGCAGGCCGCCTGCCAGGCAGTGTGTGTCAGAATCCCACAA
CTCTCTGGGCCTCCTTAGGCCACAGGGTCTGGACTCTATGAACAGTTGGTGCTAGGCATG

## Table 1

GGGAAGATAGAAATGTTCCTTGTGGCCTAGATTCAACCAGGAGGCCTCCCTGGAGGAAGT
GTCCCCTCTGAAGGTGTGAGACTTCCTGCCTATATCTGTGAGCTGGGGCAGGGGAGAGTG
GAGGCTCTGGACTGGCCCAATTTAACTTCATTTACCACACTTTAAGAAATCTTCCCCAGG·
CTGGGAGCAGTGGTTCACACTTGTAATCCCAGCACTTTGGAAGGTCAAGGTGGGAGGA

Sequence 3614

CCGGGCAGGTACTTCCTGTAATTGACAGCCTTGCCTTGTTCCTCATGGCATCATTCAAGG
TCATCTTAAATGAGAGAGGAGGGAAAGAAAGAAAAAGAAATCATACCGTTATGGTTTTCA
AATGCATCCAGAGGAAAGGCAGGGTTGTTTTTGAAAAGTTTACTTCTATCTGAAAGCTTC
TAGCAAATGAAAGCAAACAGTGCAAAGCTGAACTACAAATAATAAAGCACAATTATGGCA
GGAATCTGTCCACATTCACCCAAGCTACTGTGCCATTAAAGAGGAAAATAGACAGTTGAG
CTGCAGGTTAGTCACCAACTGGGAACATGGAAGAACGTCAACAATACATACAGGAT

Sequence 3615

AGGTACAGCTCCCAGGAATCCCCTTCTCAGGCCTGTTTCAGTTCAAACTGGACATATTCC
TGGGTTTTCAGATTGAAGAAACAAGATTTTGCTACGATTTTTGTTAACCCTCTTTTTTGC
AGTCTTTTTGGTTATTTGCTGGTTTGTATCTGTGTTTGAATCAGTTGCAATTTTGGTTTC
TGGCATTTTAGCAGCCTATGCTATACTATGAGAAATAGATATTTTTTAAAGGCACTTTTT
TCAGCAGCTACCATTTTCCTAAAAGTTTTCAATCAGTAGTATTTCCATCAAAATGCTAAT
TATTGTTGTTGTTGTGATTAAAGACAGGGTCTCCCTCTGTCACCCCCGGCTGGA

Sequence 3616

CCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTGAGAAGACATCATTACCTGT
ATATGCCCCCTCTTCTCAGTTCCCTCAATGGACATTGGCATTGATGAGCCCATAAGTACA
TGATAAGCCTACAAGGACAATAGTGAGTTTATATTTTTATGTAATGATTTTAGAACATGG
GATAATATCCAGAGTGATGGAGGTAAAACTATTCACATTTCCATATTCCAAACTACTTCA
AGAATCACTAGAGTGCAGAAGNTATAACTCTAAATGCTTGAATGGAGAAATCATCTGTCC
CAAGAANTACACCCATNTGACTTTNCAATNAATCTATCTCAAAAGGCCTACNATTTAACA
ACAACCAGCATACAACAAAACTTTAAAAGAACCCNAATGAAAGTTTTGTATNAAGGTTGG
TGTCTTTTTTTCTATACATTTTGAATTGACAAAAAAGCTGCTGGGAGCTCACCTGNNTTT
TATTTTATTNTAAACCATTCTTATTTTAT

Sequence 3617

AGGTACTGTGTCACTTTATGGGGTTGGTGCTTGCCACACTTCTTACAGAAAGTCCGGCGG
GTTTTAGGGACGTTAACCATGCTTGCGTCCCCGCGTACGCGGGGGGGGGAATTGGAGGCT
TCTAGGAGGTGGCACGGTGCACGCCAAGATGGCTGTGTCCACAGAGGAGCTGGAGGCCAC
GGTTCAGGAAGTCCTGGGGAGACTGAAGAGCCACCAGTTTTTTNNAGTCCACATGGGACAC
TGNTAGCCTTCATTGTTTCCTCACCTTNATGGGCACCGAGCTGCTNNTGCTGCTGCTGG
TCGNTGGCCACTGNTGTTGCTGCAGCTCCCCCGGNCCCCCANGGAAAAGCCTCAGGAAGG
AAAGACCCAAGGGAAGTGGATAANTTGGC

Sequence 3618

CCGCGGTGGCGGCCGAGGTACCATTGAGTTCAACCACATCCTTACTGATTTTCTGCCTGC
TACATCTGTCCTGTGCTGACTGAGGGATTTTAAGTCTCCTACTACAGTAGTGGATGCATC
TCTTCACGGGTCTATCGTTTTTGGCCTCACGTGTTATGATGCTTTGTTGTTAGGTGCATG
CACATTAAGTATTGCTCTGTCTTCTTAGATAATTGACCTCTTTATGATTATGAAATGCAG
ACTGTAATTTAACTGAGATGGTTAGAAAAGGCCTTTCAGGGAAGTTGGCCAAACTTCTGG
CAAAGCTGATGGGGCAAAGGTGAAGGCTGACAATTGCCTGCACCAGAAGCAGCCAAAAGG
TCCCATCACAGTGCAGGTCATCACCACCGGAAACCTCAGCCCTGGCTTTGCATTAGCCCT
AGAATAAGCCAATCCAAGCCTGACCCACAAATCCTGTGAGATCTAGGCCCATCCCGTCCT
CTTGGCATGATACTTATCTTCCTTCCCTAA

Sequence 3619

CGAGGTACTTCCAAGACTGAGATTTGGGTGCTATAGCCTTTTTGCTTTACAGGAAAGCAA
TGGAAAATAGAACAATTTCCTTCAGCGCTGGTTGTAGATCCCGCGTACATCCAGGAGCTA

## Table 1

TGGAGAAAGAAGCAGTCTGATGTCATGCGCTTTCTTCTGAGGGTCCGCTGCTGGCAGTAC
CTGCCCG
Sequence 3620
CGAGGTACACACAAAGACAAACCTGAACTTAATTTCAAGGAAAACTTAAACCCATGCACA
AATAATTGGTGAGCCTTCATTTCCCTGACTTCAAGTTTCCATGTGAGGACTCATGCTCTC
TCCACTTTCTTCTTGGGAGGAGGGAAGATTTACCTAATGGGTAAATTTGGGCAAAGCACA
TTGAGTGTGCTTGTTTGGCTCTGAGTCTCTTTGCAAACATGTGTCTGCCCACAGTGACAT
GAGTTTGCGTTGACTGTCATGTCTGCAGGAAGCTGCCTGCTCCTGTGGCCATGTCAAGCA
ATTCTTTCTTTCAACTGCAACTGTGTGTAAGAGCTTAGTCTGAGAAGAAATGTTCAGAAG
CTCACTGTGGCTGCACATCTGAGCCATGTCTTCCCATTAGTTGTCATGAGTCAGCAATAA
AGCGGGTATGTTGATGTCTATCAATCTAATTCCTATGTTCTGAACTCAAGGGAAAGA
Sequence 3621
CGAGGTACGCGGGGACCTAGGTTACTTGTAGGACCCTATACGGCAACCTCCTTTGCCAGG
AACTATTTATAAACATCCTGCAGGAAAATGTGAAGTAGAAGAGACAGGGATATCCCAGAA
GGTTATGCAAAACATCAAGAGAAGATGAGAGGAGTCTATATGTCAGAATACACATTTCCC
ACCTTGCCCAACAGTAGAAAAACATAAGAAGAGAAAAACATTAAAAAATGACAAGGAAGT
TAATGGAAGTCAGCAATGTGATGGTGTTTGGAGGTGGAGCCTTCAGAAGGTAATTAATGC
CCTTGTAAGAAGAGACCAGAGAGCTTGCGCACCTTCTTCCTGCCATATGAGGAGCCAAGA
AGCCGGCTGTCTGCAACCTGCAAGAGGACCCTCACTAGAAGCTAGCCATACTGGCATCCT
CATCTTGGCTTTCCAACTTCCAGAACTGTGAGAAGTATATGTTTGTGGTTTAGTCAATGG
TCTATGGTAATTTTTTTTATAGCAGTCCCAGCCCAAGACAGTGCCTCATTTACTACATACC
ATTTATATTATTATATAGGCTCCTTTAGAAACCCATGTTCAAATTAGAGATAAGGATCTG
AAGCACATAACACCTTCCTTGTTTTTAGGTATACAAAAATTTGAGAAAAANGTTNGNTAT
TAACTATCTTATTCCANGAAATGCAGANTTCATGGTGGTTCTAATTTTTTTATATATTAAT
TGGNCAAAATGAAGGAAACTTNACACCCATTCTTAAATTTANCTTGCCCAAAGAATTGGA
AAGGATTGAAAAAAAATNT
Sequence 3622
GCTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACCATAA
ATGTTGTCTCTTAAGAGAATGTCAAGTTTCAGTAAATTTACTTTGAACTTCAAAGTAGTG
TGCAATAACTTTGATAAATAAGCCGATCTTATGAAATTTGAAAGTTACGTTTATAATTAT
ATTATAAAATAAAATGTTGAATTTTCTGTTTTAACTTCCCCGATGTCCCATATTGATTTT
ATTACATTCACAGATTTTTCTTTTCAAAAGTAAGCTTCACTTGGTTTGACATCAGCAGCT
TATTTCTTGCAATCTATTTAATTGAGACTTTTCTGCTGTTTATCCTAAAATGCAGATAAA
TGGCTTTCAGCACACTGTTTATAGTATAATAGCTCCTGAAGTGAGTCAGCATTATCAGCT
AGAGTCTCCATGTCATAACTAATGGTCTCTCTGCTTATACTTTCCTGCTAGTGAGGAGCC
ACTGAACTCCACAGAGACAGGAGCCTGGCATAGTTGGGGGGTG
Sequence 3623
CGAGGTACTTTGTTACAGCAGCCTGAAAGGACTAAGACACCGACCTAGTCTCCCTGATGA
AAAAGTTTCTCTCAGACTTCTACCCTTTCCAATGTGGCCAAAGCTTTTCATTCCGAAGAA
GTTTCCTTTCTGAGAACACTCATTGTGTCGNTTGGCTTTCCCCGTCTCTGCTTGACGCAT
GAACCAAAACAGAGGCAGCCAAAGCAGGGAAAAAAAAATCCTAGGATCAGAGTCCACTCT
ATGCCCTTTTGAGCTTCAAAAGGAGAAAGAGACAAAAGCCAAAAGCAATGGAGGTCAAGC
TGCCCGGTACCTGCCCG
Sequence 3624
CGAGGTACGCGGGGGGCCCGCTTTCTCTTACTGATAGTAGGATATTTCTGCTTTAGTTAT
TGTCACCTTAAATATATTTTCAATGTTGAAATCCTCACAGCATGCTTGATGAAATCTAGT
TTTCAAATTTTCTTAGGTATATTTCTGTCACGTTGGCATGATAACAAATGCAATAACCCA
AAAGACCCCAAAAGCTAGTGTAATCCCTTTTGCAATCCAAGCATGAGGATTCATCTTCAT
GTTGACAGTGCGTGAATGTTCGGTAGGCTTTGTCAAGCTTGCATACAATAAATTATATAT

## Table 1

GTCCCTTTTCTTTTAGGGTCTCCTGTTAAAGATGGTCTTCTGAAGGCTAACTGCGGAATG
AAAGTTTCTATTCCAACTAAAGCCTTAGAATTGATGGACATGCAAACTTTNAAAGCAGAG
CCTCCCGAGAAGCCATCTGNCTTTCGAGCCTGNCATTGAAATG
Sequence 3625
CGCCCGGGCAGGTACGCGGGGGAGGAGGTGGATTTGAGAGATACCTCCCCTCCTTCTGCT
CAGCTGCCTTGCAGTAATTAAACTCTTTCTCTGCTGCAACACCCCTACTGTTCTCCGTGT
ATTGGCTTTTCTGGGCAGCAGAAAAAAGCTTGGCCAGACCACAAGCGGNAATGCAAATGC
CTTAAAAGCTGCAAACCCAGATATCCTCCAGACTCCGTTCGACTTCTTGGCAGAGTTGTC
TTCAAACTTATGGATGGAGCACCTTCAGAATCAGAGAAGCTTTACTCATTTTATGATCTG
GAGTCAAATATTAACAAACTGACTGAATATAAAAAAGAGGGCCTCAGGCAACTCGTAATG
ACATTTTNAACATTTCATGAGAGAAGAAATTNCAGGATGCCTCTCAGCTTGCCACCTGCC
TTTGACCTTTTTGAAGCCTTTTCAAAAGTGATCTGCA
Sequence 3626
CCGCGGTGGCGGCCGAGGTACGTGGCGTAGCATTCCATGTTCAGCTTTGACATTTATTTT
CTCATATCAACCCTTTTTACACGTGAAACACAATCTCGCTCTTGAAGTCTTAACTGCATG
ATCTGTGAAACCTGTATTTATATTTTCTTCAGTGTATTCTTGTCGTGTGTGTCCTAAACA
AACCAAAAGAAAACTTTCCAAATCTAAAGTATTCATTCTCCAATTGGAGCAAGAGGAGTC
AGTTAGATACTATCACGGCATTCATTTGTGGCTGGCTTGTCATATTTACTTATGATTGAT
AATAAATCTATTTTGCTTTTTAGAGCCTCCCGAGAAGCCATCTGCCTTCGAGCCTGCCAT
TGAAATGCAAAGTCTGTTCCAAATAAAGCCTTGGAATTGAAGAATGAACAAACATTGAG
AGCAGGTAAATTTTTTAATGGAACTATGCAAAGACCAATATTTCAATATTGGGACATTTT
TGATGGTCCTTCTATCCCCAATGCTTTATTTTTTTCAACTTTTGATGAAAAGATTTGATC
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TTTTCAATATCTTTTTT
Sequence 3627
TACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTCGCGGGGGAGAGCTTTTGG
TTTGCTGAGGTTTGTCAGATTTTCCAGCTCAGGGCCCAGCCAGCTGGCAGGAAGCAGGAC
AGAGGTCACTTGAATTCAGACCACATGTCCCTGTTAAATACATTAGCTTTTAAATCAATC
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GTGAACGAACAGAGCAGCTCCTCTTCATCTCCAGAAATGACCTCCACCTTCAACCCCCGA
GAATGTAAACTGTCCAAGCAAGAAGGGCAAAACTATGGCTTCTTCCTGCGAATTGAGAAG
GACACCGAGGGCCACCTGGTCCCGGGTGGGTTGAGAAGTGTAGCCCAGCAGAGAAGGCTG
GCCTTCAAGATGGAGACAGAGTTCTTAGGATCAATGGTGTCTTTGTGGACAAAGAAGAAC
ATATGCAGGTTGTGGATCTGGTCAGAAAGAGTGGGAATTCAGTGACTTTACTAGTTCTGG
ATG
Sequence 3628
ACCGTAAGACGTGTTTTGCGACCCGGCACCACCGTAGTTTTACNGCCCGGTGAACTCTGT
GGAGNGTAGCAAGTTNTTTTAGAAACAAGGAAATGGCTGTGCGTGCCCTCGTGGCATGTC
ACGTGGCTTGNCACTGCCGGCTGATTGGCT
Sequence 3629
ACCGCGGTGGCGGCCCGAGGACTTTTTTTTTTTTTTTTTTTTTTTTTTTCAATTGANACAGAG
TCTTGCTCTGTCACCCAGGCTGGAGTGCAGTGGCATGATGAATGAGTGAATGACTTGAGT
CAGTGAACGTGAAAATGTTTGGTANATTGTAATCGCCGATATTGTGTAATACGTAAAATA
CTATTAGGAACTACAGCAATGTCTTATATTCCCAGCTAGGCCATGCACAGGAGGCAGTGT
GCCACAGCACACTGAAAAGGTGGCCAGCCCTCACTCAGAGCCTGCCTTCACCACCTGCCC
G
Sequence 3630
TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTCGCGGGGGGAAAGCTGATATT
GCAATTGCTCCATTAACTATTACCCTTGTGAGAGAAGAGGTGATTGACTTCTCAAAGCCC

## Table 1

TTCATGAGCCTCGGGATATCTATCATGATCAAGAACCTCAGAAGTCCAACCAGATGTTTT
CCTTCTTGATCCTTAANCCTATGAGAATCTGGATGTGNCATGGTTTTTGCCTACATTGGG
GCAGGGTAGTTTAATTCCTGGTCAGAAAATTAANCCCTTACAAGTGGCACACTGANGGAG
TTGGAAGAATGGAAGAAGAACCACAAAGTAGTGGAATCAACTAATGAATTNGGATTTTAA
TAG
Sequence 3631
CCGCGGTGGCGGCCCGAGGTACAGGTGTCTTTTTTGATTGAATGATTTATTTTCCTTTGGG
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AATCTCTATTCTGTTTTCCATAGGGGTTGAACTAATTTGCATTCCCACCAACAGAGTATA
AGTGTTCCCTTTTCTCTGCATCCTTGCCAACGTCTATTATTTTATGACTTTCATAATAAT
AGCCATTCTGACTGGTATGAGATGGTATCTCATTGTAGTTTTAATTTGCATTTCTCTGAT
GACTAGTGATGTGGAGCTTTTTTTAAAGTTTGCTGGGCACTTTTGTGTCTTCCCAAAGCA
TTTTTAAATCTCTAGAATGATCTCACGTAATTGCAGTGCTATATTATTTGGAGTAGAAAT
TTCTAAAGGCGAATAATGCTCCTTGGACTTAAAGAATGTTTGCTCTAAATTAAGACAGTA
TATAAAACCCGAAAATGCTTTCCTGTTCAAAAGCATGAAACACTATAATCTCCATGCACC
ATGAAGATATCTTTACACATTCTTCTCGGGGGCTCTGGTTTTTGNTCTGATGTTTGCCCA
TTACAGGNGAACACCTGGGTAACAACAATTCCTCAACGCTATAAANGGTAAGCCACACGC
AGTTGCTTGGCATAGGAAAGNTTAAAAAAGATCTGNTGGGAAAATTCCCCATCTTCNCAG
TTCTGNCCTCCCTGCANAANATTNAATTTCTTTNAAGGATCC
Sequence 3632
TGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGGCTGTAGGCCCGGGTGGTTGGAAT
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AAAGATAAAATCTTTTGTGAAAGTGTATAACTACAATCACCTAATGCCCNAAGGTACCTG
CCCG
Sequence 3633
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GCGCCTGCCACCACACCTGGCTAATTTTTTTGTATTTTTAGTTAGAGACGGGGTTTCACTA
CGTTGGCCAGGCTGGTCTCGAACTCCTGACCTCATGATCTGCCCACCTCTGCCTCCCAAA
GTGCTGGGATTACAGGTGTGAGCCCCTGTGCCCAGCCTTTTTTTATCTTTTAAAAGTAGC
CTGTNCCTTCTTTTAAACTAACTCTCATGTNATACAACTAAAAGAAATAAAGTTNCTAAA
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Sequence 3634
CNCGCGGTGGCGGCCGCCCGGGCAGGTACGCGNCGAGGCATTGAGGCAGCCAGCGCAGGG
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TTAGCCGTTAAGTTTTTAACGTAATTTTAATAGCTTAAGATTTTAAGAGAAAATATGAAG
ACTTAGAANAGTAGCATGAGGAAGGAAAAGATAAAAGGTTTCTAAAACATGACGGAGGTT
GAGATGAAGCTTCTTCATGGAGCAGTGAGTACCNAAGCCGCANTAAAAGTACCTN
Sequence 3635
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AGATGTCTGCCAAATACCCAATTACGTATTCATAAGAAATCAGTTTATCTGTCATTCTTC
AAGTAAAAATAATATTTCATGAAAAACCAAATAAAAATAAGGAGAAACATTGGCTAGTTC
AGCTAACAACTCAAATAATCCATAAGTGCTTCTTGAGACATCTCATCATATCTCAGAATG
CGGTGAAAACGCAATATGGGTGCTTCCTATTTCTTCACACAGAATATTAAAAAGGTGTAT
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## Table 1

TNAAACTTTTTTTTTTTTTTTTTTTTTTTTTTTT
Sequence 3636
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ACACTAATCACAAACTGAATGACTTGACTTCAAAAGCAACAACCTTAAAGGCCGTCATTT
CATTAGTATTCCTCATTCTGCATCCTGGCTTGAAAAACAGCTCTGTTGAATCACAGTATC
AGTATTTTCACACGTAAGCACATTCGGGCCATTTCCGTGGTTTCTCATGAGCTGTGGTTC
ACAGACCTCAGCAGGGGCATCGCATGGGACCGGCAAGGGAGGGGCAGGATTTCCGGGACC
CACCTAGGGCCCTGGAAAAATGGACCATTTTTNACTTAAAAAAGGTTCTTNCCAAAAAAC
CATTTTTCTTNAAGAACTTACCTAAAGGGCCCTTTTTAATGGTAAAATTTTCTTTTAAAA
TGGTGTTATTTTCTTAAAGGAAATTCAAAATTTGGTAAATAA
Sequence 3637
CCGCGGTGGCGGCCGAGGTACGCGGGTATCTCGATAGTGAGGAGGATGAGGAGTAGCCAG
CAGCTCCCAGAACCTCTTCTCCCTTCTTGGCCTAACTCTTCCAGTTAGGATCTAGAACTT
TGCCTTTTTTTTTTTTTTTTTTTTTTTTGAGATGGGTTCTCACTATATTGTCCAGGCTAGAG
TGCAGTGGCTATTCACAGATGCGAACATAGTACCTGCCCG
Sequence 3638
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GAACATATGGGTTGTCCTTTTCCGTCCAATGATTGTTTTTCTTTCATTTCATACTTACAG
TAGCTGTTTAAAATATATATTTCAGGGTGACAAAGGTCAAAGGGGAAAGAGTAGATAAAA
GTGCTGCCTAATGCCAGATGGTAACTGGCACAGCAGGAGGGCCCTAAAAGCAGCCCCTCA
TTTCATCCCCTTGACCCTCACACTCCTCTTGTGAAATAAAATGCAGCGATGACATTTGGT
CAGCTGATGTTCTTTCCTTCAGTTGTTGCTGGGCACAGTCC
Sequence 3639
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GCAGGCAGAGGGCTCCACCTGCTCTGCCCTTGGCAAAGGCCCTTGGCTACACTGGTGAAA
ATGCCAGCTCGGCTTCTGCACGGATACACTATGTTGTGCCATCCAACTGGAGTGCCGGTT
GGACCCCAAAGGCAGGGCAGGGCAGGGGGAGGGGGTATTTTGAAATGTTTTCAGGAGCTC
TGTCCAGCTGTCTCTGTCTTCCAGCCCGGAACTGCTGCACAAAGCTACAAGGACACTGAT
GAGACCATGGATCTGCTGCTGTTCTCTAGGGAAGACTTGGCTTTGGANTGTGGCTGCCTG
GATTCTAAAGTGTTGTCCTTTGACTCCATGGAAGTAATTTCTTNNTAGTTTTGCTTTGGC
AGATTTCCAAAAAAANTT
Sequence 3640
GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTGTCCAACTGGATGCT
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AAAGAGCTCCAGACGTGAGTTTTGGGCAATGTGTTCCTCCCATTTGTTCGGCATCATCCG
AACACTCTCAGACATCATGGTGATGAATATTTTCAGAATGCTGATGTTGAAGCCAGGTTT
CACAATCTGGCGGTGCTTTTTTCCATTTANAACCATCCAGGGTCACAAGTCCTCGACCAAC
CCAGGATTCAAGGATTTTGTGGCTAACAGCACTTTTGGGATCTTGTCTTTTCAGGGAGAA
TCTTGGCATAAGTCTGGGGTCATGGACACTGAAGAACATCNTAAAAGGGTC
Sequence 3641
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCATCACATGC
TGGTCAGAGTGGCCATTTGTCCCAAGTCAAAACATAACATGCTACAGTGTGGCAGCAGAG
AAAAGCAAACATGGCTATTCTCTTGGAGGTAATGCAAACTAGATCCTAAACTGTGGAAAC
CAGTCTGAAGATTTCTGGAAAAAAAAAGGATGGAAGGCAGAGCTATGCTTTGACCCAGCA
ATCCTACCCCATGCATCTACCCCAGGGAAAAACACATGCGTCTATCAAAAAGACACATGA
CACTCACACGTCCACGGGAGTGTTACTGACAGGAATAAAGATGTGGAACTGATCTAGATG
CCCACCGAACAGAAACTGGATTTTTAAAAATGGTGGTTCCTATACATCACAGAATGCTA
AAAAGCCACTTAAGGGAA

## Table 1

Sequence 3642
CTACTATAGGGCGANTTGGAGCTCNCCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTT
TTTTTTTTTTTTTTTGGAGAATCAAAACTTTTCCGGCTTTATTCTTTGGGAAAACCCCTGGT
CTGTTTTCATTCCTATTGGTCCAGGCCACCATTCTATGATATGAAGGCCTAAATTAGGAA
AGCTAGGTGAG
Sequence 3643
ATAGGGCGAATTGGAGCTCNCCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTAGTAGAGA
CGGGGTTTCACCGTGTTAGCCAGGATGGTCTTGATCTCCTGACCTTATGATCCGCCTCGG
CCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCATGCCCGGCTGCTTAAGTTTCTTA
AATACAGAAAGGCTATGCTGATACAGTGTTTTTTGCCCTTTAATTGTTATTATTTCTTAA
TTTAAAAAGAAACCTAGGGCTTANATAGTCCTATCTTCTATTTGGATGTCAGCAAGGTTA
AAAAGTGCAATGTCAGGAGTATGTAGCTATAGGTGGCCTGTGGCATTTGCTTACAGAAAC
NGGCAGAAGGATCCGCAGGCCCAAGAGGCCTTGTCTAAGAACCACACCACCATTACAAAA
GCTGTGAAAAGGAGGC
Sequence 3644
CCGGGCAGGTACGCGGGGGGTAATGTTTCACGAGAGGTCTTGGATCACATTAAACACCTCT
CAGTGGCAATGAGGACCGACTTTGTCATGAGTTACAAGAAAANAGCTTTCAATGAATTTT
GAACCATCACACTTTAAACATTTGGCACAGGTGAGGGGTCAGAGGCACAGAAACTTTGGT
GTGTCTGTATCAANACACACAAGGGTGGNGACTGTATCAGGTTGCTGGAATGTCCAATTA
TGANTACCTNnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnNATGATTTTT
NANTAATNGNTTCNGTGCnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnrnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnGAC
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GGAGCCTTAATGAAGNGAACTTACTTGACATTTNATTTGCGATCGCNGCTTCANATGCCN
GCCTTTNCCNGGCCGGNNAAAACCTTGTGGTGCCNNGCCTGCCNTTNATGGAAATGGGTC
CCAAACGCNTCCCGGGGAAAAAAGGCCGGTTTTTGCAATAATTTGNGAAGCNTTTTTTCA
GGCTTTCCTTTGGGTTNAANTTGAACTNCCCTTTGAGNACCTTTGGNAAAACCCCCNAAAA
NAAAGTGGTGGAAGGGNGNAACTTGGGCTTTANTTNTTGGGAAAGNCCTTTTTTTTTAACC
NCCCCCTTGGATTTAAGGGGTTATNGGGGGGTTAAAATGGGTTACCNAAANAAAATTATTT
TTTTTTT
Sequence 3645
CCGGCGAATTGGATAANTACNANGGTNNCNGCCGCCCGGGCAGGTACTTTTTTTTTTTNAC
AGACCNNCTGGNTTTNAAGAAGGANTTTATCCACTACCAGAAACCGAAAAATGTCTAGCA
NATCCAAAAAGTGCAAAAAAGTGCATGACTCACTGGAGGACTTCCAAGAACAGCTCGTTT
AACC
Sequence 3646
TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTCAATCAGCTT
CATTGCTGCATTGCAAAGCCCCGCAATTGCAGTTGTTTTAGCAAGGGATAGATGGAGAAN
ATGAATGTGCTTTACAAGTCAATTACTACTGATCAGATCATCTTACCAAAGGGTGGAGGA
AGTGGCCGAGGCCCAAAAGGTCCGCANAGCTGAGGTGGTGGNCCATATCNAATGGGTGGT
GGTACCTCN
Sequence 3647
CCGCGGTGGCGGCCGCCCGGGCAGGTACTCGAAGTGGAAGGACTTTCATTTTGAGAAGAT
ACCATTTGATCCAGCAGAAATGTCCAAATGATATCAGGTCCTCAATCTTCAGCTACAGGG
AATGAGTAACTTTGAGTGGAGAAGAAACAAACATAGTGGGTATAATCATGGATCGCTTGT
ACTCCTCAGCAGAGCTGGAGGACAGCAAGGCCAGGACCAGCCCCAGCATGCAGAGCGCTC
TGGCAGCCATGACCACCGTGGGCTCCGGGACGCAGCTCAGGACTCCCCGCGTACCT
Sequence 3648
TGACGCGCGTAATACGACTCACTATTAGGGGCCGAAATTGGGGAAGCCTCCCACCCGCGG

# Table 1

```
GTGGGGCCGGGCCCGCTTCTTAAGAAAACCTAAGGTTGGGGAATCCCCCCCGGGGGCCTT
GGCAAGGGAAATTTCCGAATATTCAAAAGCCTTTAATCCGGAATACCCCGGTCCGAACCC
NTCCGAAGGGGGGGGGGGGGCCCCCGGGGTTACCCCCAAAGCCTTTTTTGGTTTCCCCCTT
TTAAGTNGGAAGGGGGGGTTTNAAATTTTGGCCGCCCGCCTTTGGGCCGTTAAATTCAAAT
GGGGTTCAATTAAGGCCTTGGTTTTTCCCTTGGTGGTTGGAAAAAATTTTGGTTTTAATT
CCCGGCTTCAACNAAATTTTCCCAACCAACCAAANCAATTTAACCCGNAAAGCCCCCCGG
GGGGAAAGNCCAATTAAAAAAGGGTTGGTTAAAAAAAGGCCCCTTGGGGGGGGGGGTTGGC
CCCCTTTAAAAATTGGGAAGGGTTGGGAAGGNCCNTAAAAACCCTTTCCAACCCAATTTT
TTAAAATTTTTTGGGCCCGGGTTTTTTGGGCCCGGCCCTTTCCAACCTTTGGGCCCCCCC
CGGGCCNTTTTTTTTCCCCCAAAAGGTTTTCCGGGGGGGGGGGAAAAAAAAAACCCCCNTTGGG
GTTTCCCGGTTTGGGCCCCCCAAAGGCCCNTTGGGCCCAAATTTTTTAAAAAATTTGGGA
AAAAATTTCCCGGGGGGGCCCCCCAAAAAAACCCGGGCCCGGNCCCGGGGGGGGGGGGAAAGG
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CGGGGCCCTTTCCTTTTTTTCCCCCGGGCCCTTTTTTTCCCCTTTTTCCGGGCCCTTTTC
CAAACCNTTTGGGAAACCCTTTTCCGGGCCT
```
Sequence 3649
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CCGGGCAGGTACCTGTCTCTTCTCAAACTAGATGATAAGTGGCCTCAGGGCAGGGACTAC
ATACTCCTGAGAGCTGCTTGAGCTCGAGGTGTTTATTATCCTCAGTAAGCATTTTTTTTC
AGGAGCATGACTTGGCCCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGTACCT
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Sequence 3650
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GTATGACCTCAGCATTCCTAAAGTGCTGGGATAAAGTGTCTCACAAGGGCAAGTGGACCC
TAGAGAGACAGCCATCCCTGACCTCTGGGCTCCACATCACCCGACTTGCTGCTCCACCAC
TTTGCTTGCTTCCTGGGTGCTCCATCCCAGAGACAAGTGAGTTAGCAATCACTTAGTGTA
ATCAGCCCAGGATGGAGGGTCTGTGCTGTGGGCCCAAGCCAGGGTTCCCTGTCTGGTGAT
GAGTAGTGGAGGGTGTGTGGTACCT
```
Sequence 3651
```
CCGCGGTGGCGGCCGAGGTACTCAGTGGCCATGTGGAGCTAGTGGCCACCACACTTGACA
CCACGGATGCAGAACTTTTCCATCACTGCAGAAAGCTCTGTTGAACAGTACTTTTTTTTT
TTTTTTTTTTTTTTTCCGCATTAAATCACTGNGGGTCTTAANCAATTCTTCAAAGCNAAC
TTTGGTTTTTACTTTTGCTTCACTCTCAGCTGTAGGCATNTNTCAGCTTTATGCANAGGA
CTGANAATGCAAAGCATTGACTCAATCAGGATCCTTTTNTCAGACATAATTAAAAAGGCT
TTGACAGGTTGAANATTCAGCCCCAGGTTCCCGCGTACCTGCCCGGGCGGCCGCTCTANA
ACTAGTGGGATCCCCC
```
Sequence 3652
```
NGGCGGCCGCCCGGGCAGGTTCAGCAGAGCCCNTTTNACCNGAGGNTTTATAACCNGNGC
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ACAGTTCATAGGNTTACAGACGNGCGCTGNTCTGAGAAGCATGATGGAATCCCGTATCCC
CCGGGACATGAATCATTCTTTCATCAAGCGTATCCATGCGTATACACGACCTACCCATTA
GTCACCTAGCAGTCACCCTCAGNTATCAGATGGAGTATTGCAGTCTCACAGCGCTTGTGN
ACAAGTAACCCTTATTTGACTTAANAATGCTCCCAAAGTGCAAGACNAGCGCTGTCAAAT
TGGATATGCCAAAAAG
```
Sequence 3653
```
CTTTTTANGGCGAATTGGAGCTTACCGCGGTGGCGGCCGCCCGGGCAGGTACGCNGGCTT
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GAACTTTTCCACCTGGAGTCCTTGGGAATACCGGACGTGATCTTCTTTTATAGGTCCAAT
GATGTGACCCAGTCCTGCAGTTCTGGGAGATCAACCACCATCCGCGTCAGGTGCAGTCCA
CAGAAAACTGTCCCTGGAAGTTTGCTGCTGCCAGGAACGTGCTCAGATGGGACCTGTGAT
GGCTGCAACTTCCACTTCCTGTGGGAAGAGCGCGGCTGCTTGCCCGCTCTGCTCAGTGGC
TGACTACCATGCTATCGTCAGCAGCTGTGTGGCTTGGGGATCCAGAAGACTACTTAACGT
```

## Table 1

GTGGCGAGAA
Sequence 3654
TATANGGCGAATTGGAGCTTCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTT
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TTTGCAAAAAANANANNGGGGAANTTTNAANNAAANGGNGGGGGNANCCCCCCCNTTTANNN
GGGNNGGCCANGGCCCNAANNNNCNNGGGGAAAAAAAANGGGGGGNNAAAAAAANGGNNNNGG
TTTTTTNGGGGNNNNGGGGNCCNTTTTTTTTGGGTTTNNNTNCCGNANAAAANNANNNNNNNNC
CAANNGGGGGGGGGAGGTTAACCCNTTTTAAAAA
Sequence 3655
CCGCGGTGGCGGCCGAGGTACTGGTTTTTGAGTATCAGCAGGTGGCCTTTCAGCCCTCCAT
ACTTACTGAGCCTCCCACTGAGGATCATCTTCTGCAGAATACTTTGTGGCCTGAAGTTCA
AAAACTATATGGGCACGGTTATGAAATATTTTGTGTTACTTGTAACAGTTCAAAGACTCT
GCTTGCCTCAGCTTGTAAGGCAGCTAAGAAAGAGCATGCAGCTATCATTCTTTGGAACAC
TACATCTTGGAAACAGGTGCAGAATTTAGTTTTCCACAGTTTGACAGTCACGCAGATGGC
CTTCTCACCTAATGAGAAGTTCTTACTAGCTGTTTCCAGAGATCGAACCTGGTCATTGTG
GAAAAAGCAGGATACAATCTCACCTGAGTTCGAGCCAGTTTTTAGTCTTTTTGCCTTCAC
C
Sequence 3656
AGGTACATAAACCTTGGAATGCCCCTCAGTTGTTTCCCTGAAGGTGGCCAGGTGGTCATT
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AAAGCATCGACTGAATGTGTCAAATTTTACATTCATGCAATTGGAATTGGGAAGTGTAAA
AGAAGGATTGTTAAATGTGGGAAGCTTCACAAAAAGGGGCGCAAACTCTGTGTTTATGCT
TTCAAAGGAGAAACCATCAAGGATGCACTGTGCAAGGATGGCAGATTTCTTTCCTTTCTG
GAGAATGATGATTGGAAACTCATTGAAAACAATGACACCATTTTAGAAAGCACCCAGCCA
GTTGATGAATTAGAAGGCAGATACTTTCAGGTTGAG
Sequence 3657
TATNGGGCNTTTTTNAGCTCCCCGCGGTGGCGGCCGCCACGCTGGTTTTGCATCTTNNGG
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TCCAGAGCCACATCATCGCGGTCGAAATAGAAGCCCAGAGAGAGGTAGGTGTAGGAGGCC
TGCAGGTACCACTACATCATTGCAAATCTGGGATTTACTGATGGAGACCTATTAAAAATC
CAGTTTGGAGGTGCAAATGTCTCTGGATTTCAGATAGTGGACTATGATGATTCGTTGGTA
TCTAAATTTATAGAAAGATGGTCAACACTGGAAGAAAAAGAATACCCTGGAGCTCACACA
ACAACAATTAAGTATACTTCTGCTCTGACCTATGATGCC
Sequence 3658
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGCTCTCTTCCAC
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TTGTTACTGAGCACACAGGCGTGCTGGGGCAAGCGACGCCTGGGAATATGAAGCGAACGC
CACACACTAGAACGCGCCCTGGGAGCTGGCCTCCGGTGGGGGACGCAGGTGTTGAAGACA
TAACCGCATGACCGAGAAACCTCAGTTTTGCTCTGAAGGCCTTCAACTGCC
Sequence 3659
CCGCGGTGGCGGCCGAGGTACTTTNTTTTTTTTTTTTTTTTTTTTTTTTTTTAATAGTGAA
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TAAGGAATATGATGTAGGCATAGGGGTATCCAAGGGANANAATACAGTCNTCGAGCGGCC
GCCCGGGCAGGTACTTCCTGTAATTGACAGCCTTGCCTTGTTCCTCATGGCATCATTCAA
GGNCATCCCCTAAATTTTAACACTTTCGATGCCATATACGTTGTAACCTTCCTTATAAGT
TGCAAAATTCTGTGAATTCTGCGAGGAANATGGGTTAATATTCTGNGCATTCTTTGCCAC
CTTCATTCGTTTCNCCTCGGCC
Sequence 3660

## Table 1

CCGCGGTGGCGGCCGAGGTACTTATAGGTAAGAGCCAGCTGTAGCTCATGTGGCTGGGTA
TATTCTTGATACTCCTTTATTCACCAAAGGATTCTTGTTGCCTCAGGAAATGGCTGACCT
ATGTAAATTACAGTGGTCTGAACTCCCTGCTAGGCACTGGAGGGGTGGGGACCATAATGG
GTGGGGCTGGACCTAGCATGCCCACCTACAGGTCCCCGCAATGGCAGGTACACTTGAAGC
CAAATTTCTAAAACTTGTTTTTCTTAAAAAATAGTTGTTGTAACATTAAACCATAACCTA
ATCAGTGTGTTCACTATGCTTCCACACTAGCCAGTCTTCTCACACTTCTTCTGGTTTCAA
GTCTCAAGGCCTGACAGACAGAAAGGGCTTGGGGATTTTTTTTTCTTT
Sequence 3661

NCCNGGCAGGTNCCCCCNAANAAATTACAGTGTTTTCTTAATGAACTTGCAAAGGAATAT
TGCTAAAAACAAACAAAAAAAACTGTTATCGAACTTTCTTTTGTTGCTGCTAGTNTAAAA
CCNTNNTNTCAACTNTTATCTACCTTCTTCTTTGTCGTTCTCAAGNGTTATTGCCATACC
ATATANATTTTCTAGCCAAATNTNNNNATCTCTNTAAANAAGAAATAACCTCGTTTNTGA
GNATATTTTAANCANGTAATGTCNTTTCNTCCACCAAACCCCCTTAANTTTCTTTTCCTT
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TAATAATCCAAAACAACNTTTTCCCTTCNTTTCCCTTAAATANCNTGGNGNCTTTACCTT
NGGCCTTTTCCCTTAAGANGGAANCCAANANGTCCTAATTCNCTTCCGCNATGGCCACCA
CNTTCNTTTNNTTANTCATGTTGCTCNTTCCCNCCACCAATTTCCTTTTTTTCCNGGTCGA
ACCGGGCCAAGNTTTNNTTAAAATANGGAAATTGGGGGA
Sequence 3662

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGGTAGCTTCTGATAATGATGATGA
GAAACAGAATTCTGATGATGAAGAACAACCACAGCTGTCTGATGAAGAGAAAATGCAAAA
TTCTGATGATGAGAGGCCACAGGCCTCANATGAAGAACACAGGCATTCANATGATGAAGA
GGAACAGGATCATAAATCAGAATCTGCAAGAGGCAGTGATAGTGAAGATGAAGTTTTACG
AATGAAACGCAAGAATGCGATTGCATCTTGATTCAGAAGCGGATNGTTGACACTGAGGTG
CCAAAAGATAATAGTGGGAACCATGGGATTTATTT
Sequence 3663

ATTCGAGCGGCCGCCCGGGCAGGTACTAGACGGGGCTGTAATCCGGTAACTGTATGTATT
TTAGTTCTCCAGTCCCTGGGAAGGAGACAGGAGAAGGTGGGAGGGAGGAAGGGGCCAGCT
GAAATGGAAACAGATCCCTGATCCGGGGCGGCCAGTGGAACCCTTCTTGGTGTGCGAGAG
CCTGTGCATTTCAGAGGCAGCAAAAAAGTAAAAAAAAAAAAAAAAAAAATTGATCTTTGTTT
AGATTAACAGACCCCTGACTATGAAGAAGGAAGGCATCCAGACCAGAAACCGAAAAATGT
NTAGCAAATCCAAAAAGTGCAAAAAAGTGCATGACTCACTGGAGGGACTTNCCCAANAAC
AGCTCGTTTAACCCGGCCC
Sequence 3664

CCGCGGTGGCGGCCGCCCGGGCACGGTACACAGTCCAATGATGCTAAAAAGCAAGCACAT
ATGTAAGTCTGCAAAATAACCAGCTGACAGCATGACGACAGGATAAATTCCACACATACC
ATTACTAACCTTAAATGTAAATGGGCTAAATGCTCCCATTGAAAGACACGGGGCANGCTG
GGTAAAGAACCAANACCCACTGGAGTATGCCCGTCTTNAAAGCAACCCATCTTATTGTGC
AGTGCCAATACATAGGGCTCAAAAANTAAAGGGANTTGGGAGAAAAAAAATATTTTCAAGC
CNAATGGGAAAAAA
Sequence 3665

CCGCGGTGGCGGCCGCCCGGGCAGGTACATTAGTAATTATAACAATGCATTAAAATTTTC
ATTTCATGTCATAGAGAATCAGTTTTCTTCATGATACATTATGTTTTACTGAGTGAGTTT
GTCCCTCCAGAGACCTTTCTGGGAACATGCCTTCTCCAGGGACTGCTTCCTAAGATGCCC
AGGTTGCTTACCACAGGTCATCTTTGGTCATTTAAAAGCAGTCAAGCTGTNTGGACTGCA
CCCCTTTCAACTGGAAGTTGGAGCCAAATTCCTTTTTTTTTTTAAAACCCTAACCNCCNNC
CNTTAATAAAAAAAAAAGGGGGNCNTTTNNGGGNTTGGGGGCCAAAANCTTTTTTTTTT
AAACNCCCTTTNGGGGGGGGNGAAAATNNTTTTNGGGGGGNAAAAAAAANTTTTTTTTT
Sequence 3666

## Table 1

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTNAAAGGNTTTTGTTAAAAACTAANACNCATNTTAGCCTAGGCCTAC
ACCCGGTCAGGATCATTCATATCACTGTCTTCTGCCTCCACACCTTGTCCCACTGGAAGG
TNTTCAGGGGGNGTGATCGTTAATACTGAGTGTCAAACTTGACTGGACTGAANAATGCANA
GTNTTGTTCCTGGGNGTGTCTGGGAGGGTGTTGCCAAAGGAAATTAACATTTTGANTCACT
NGACTGGGAAAGGGAAAACCCCCCCTTNATTTTGGGGGGGGCCNCCATTTTAATTAAGNTT
TGCCCNNCCCCCATTTTNNAANANAAAACCCCGGAAGGGAAAAAAAAAATNGGG

Sequence 3667

CCGCGGTGGCGGCCGCCCGGGCAGGTACACAAGCCCAGGTAAGCATACCAAGCAAGCCCC
CTCACACCTTTTGTCTGAAAAAAGCTTGACTTCTTTGCAGCAATGTCTCGCCCATTCCAG
CAGCAGTATCTCAGTTAACTTGGTTCCTTTTCCTCCAGGCTCAAAACAAAATCAAACTCT
TCCTGGGTCAGGGGCTGGATTGATAATCTCATGGACCACTTAGGGTTGTCCTCTTTTTGC
TAAAATGGGGTCATAAATNGGGGAATTGGTTTTTTNTCAAACTTNGGGTTTTGGGCCTTGG
GGTAAAAGCCTTTTTTTTTTAANCGNAATNTTTTAATGGAANTTCCCTTGNCCNNATTGNC
CNTTGGGCCTTTTTTTTTGGNAANATTTGCNTTAATGGGGNAAAAAAAAAAAAAAGGGCTT

Sequence 3668

CCGGGCAGGTACGCGGGATGGTGCAAATGGTTTCCAACAACAGCGCACTTCAAGGTTACC
TTGATAATTCTTTTCTGCCAGAACCCAAAAAACAATACTCTTGAGCTACTCAGTGTTCCA
ATTGTTAAAAATTTCCTGAAATTTTCCTTCATGTATTCAAAGTGAAACATAAAGATCTAG
AAGGATGGTTGTGAAAAGTATGGACTTTATAGTATCTAGTGGGCATTTTCATTGAGCCCA
AATGATAAATTCTGTTTTCCAAGTCTTTTAAGTGAAAAAAAAAAAAAAAAAAAAATAAAAA
NGTCCCTCGGCCGCTCTANAACTAGTGGGATCCCCCGGGCCTGCAGGGAATTCGATATCA
AGCTTA

Sequence 3669

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTCTTTTTTTTTTTTTTTTTTT
TTAGAACTTCTTATTGGGGAATAATTTCAAATTAACAGCANTTATGGGAACCAGCACAAA
GAACATATGATTCGTATGCAGATTCAGCTACTATTAACATACTGNCCATTTCTTTTTCAC
TTATGCGCCGTGCTCCTGCTCATGCTCTCTCTCATGTATATATGTATGTATGTCTTTTCC
TGACCTGTTAGTAAGTTGTGCCCATTAAAGCCTTCTTCGCTGTGACACTTTAGTGTGTTT
CTTCGAAGAAAAAGGGCACTGTCCTGCAGAACCACAACACAATTATCAACTTCAACAAAT
CTGTAATAACAATGCACTATTCAGATTCCATTTTTGTTAATTGACCCAATCCTTAGTGTT
TTTTCCCTACAATACAGGATCCAGTTTAGAATTATGTCCGCTCTANAACTAGTGGGATCC
CCC

Sequence 3670

TCACTATAGGGGCGAATTGGAGNTTCCACGCGGTGGCGGCCGCCCGGGCAGGTACGCAAG
AAAGTTCAGAGATGAGACCTTTGGTTGTATTCNNCCTTTGGGACATGGGGGATGTCTTTA
GTTCAAAGTCACAAATAAATGCAGGTTCTACAATTCAGAGGCTTCATATCCCTGCTGGAG
TATTACATGTTTATTCAGGATGGACCACTTTTCTTAGCAACAGTTTCTAAACCTTTGCCA
GGTCTGGGAAGTCTGGCAGGAGAGATTTCTAAGAACCAATCATTCCTGCACACACTTCTT
GAAGATAATATACATTATTCCCTAGTTATCTCTTCCTAGGTTTTTGTAGGCTCATTTCAA
TATTACAACAATCTTTATTGGAAAACCCCAAGTATTTTGTCTTGAAAAATCAGCAATCCA
GGTATTAAAAATAGCATGGAATGCCCAATTTTACTTTGATAATTACATGGTAAGTCAAGT
TTCCGCTCCTGGCTAAAAGCCTTGGATTTTCTTCTGGGGCAGGTCCTAAANGCACAGGGT
GGCATGGAAAGAAAATCATTNCATTTTCATCTCCTNCCCTTAATTTGAATTGGGGGTCT

Sequence 3671

ATAGGGCGAATTTTAGCTCCACCGCCNTGGCAGCGGNCNCCCGGGCAGGTACAGGGCTTG
AGAGCANAGCTGCCCATGTCTGCTTTCCCTCTGAACCCTGACAGCAAACTCTTCTGAAGG
AGCTTTTCACTCTATCAAGGTATGATAAAACTTGAAAAGAGATGGCTGGATTGAGTGCGG
NGCGGGGGTGGGTATCAGAGGTAGAGAAGTTCCAAGGTGGCCCCATAACTTTCCTATATC

## Table 1

CTTGAAGAATCGTTTTTCATTTGCAGAATNAAA
Sequence 3672
CCGCGGGNGGCGGCCGAGGGACTTTTTTTTTTTTTTTTTTTTTTTTTTGCCCTCCCAGATTCTC
AGTCCTTTGGTGATCACTTAACTGGACAATCAGAAATGAATGAAATCCACTTTTCCAAAC
AAGACATACCAAGAGAAGCCCGAGCAGCTCACCTGGGTCATTGGCTAACACAGACCCCGC
GTACCTGCCCG
Sequence 3673
AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGGGGAAAAGAAAAATAAACTATA
GTTTTTGNCATTAAGTTTACTAGTCCAAAATAATGTATANAATTGGTTACCAAGTTGGAA
GAATCAGGAATATTTATGATAAAATCATGGCATTCCTCAAANAAACTATTTTCAGNGCTT
CCTAAAGTCTATAGCAAACATGATGTAAATTATAAAACTTATAACTAAAACAACAAATAA
AAGTTTTCTCAATTATTTAAGGNAAAAATAAAAACCTTGGACTGCTTCTCTTCAATTAGG
GGANAC
Sequence 3674
CCGCGGTGGCGGCCGAGGTACAATAAAGTCCTTACTTAACATCATCATTAGGTTCTTGGA
AACTGTGACTTTATTTTTCTTTTCTTTCCTTCCTTTTCTTTTTTTTTGGGAGACAGGGTC
TTGTCATGCTGCCCGGGCTGGTCTCTGATGCCTGGCCTCCAGTGGTCCTCCTACCTAGGC
CTCCCAAAGCGTTGGGATTACAGGTGTGAGCCACAGCACCTGGCCAAAACTCAAAGTGAA
AAGTTACCAAGAACCTATCCGTGATGCTAGGTTTTGACGACTTACTGTACCTGCCCGGGC
GGNCCGCTnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnGAATTCGAATATCAAGCTTAT
CGATACNCGTCGACCTCGAGGGGGGGGGCCCGGTACCCAACTTTTTGT
Sequence 3675
AGGTACACAGCAGTGCTCACCGAGCGAAAGATGAGCAGGGAGGTGAGATTGACGTAGCGC
ATCAGCGTCCTTCTAAGCAGGCGCCCGTGCTCGTCGCTTCCGTGAACACTGCTAGAGATG
AGGAACATTAGCCTGTCTGGCCAGGGCAAATTCACAAACTGGTTCCACCATCGGTTCACT
ACCAGAGTAACATAAAACCCTATTTATTTGGTTTGTAGTCTCCGACAGGAAAGAGAATCT
TCAAATTTCTGGCTCCCCCGAAAGAGGTGCCTTCAGGTTCGGTGCTGCACGCCCGGTGTC
ACCCTTCGCTCGTGCACAGTCAGATTTTCTTTTCTGNTCTCTGGCCACTGAGAGGACCCA
GAAGTGTGACAAGGAACAGAAGGTTAAATGGT
Sequence 3676
AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTATGGAGTCTTTAAGATTATCTCTATGTTG
GCTGGCTGCGGNGGCTCATGCCTGTAATCCCAGCACTTTGGGAGGCCGAAGCGGGAGGCC
AACACTGGGGCTACCCAAGAGTTGACCAAAGGTGGTATTAATACNTATGCTTACTTATTA
CCTTGTTCGCACAGTTCTAGTGTAAGTCTTGAAAATCAAGTAAATTTGGAAACATANTTG
CACAAACTCTNTTATGAGTNACACAGNTAATCCAGAATATTATTTCTAAGTTATTCATAA
AAAGCCAACCAAAGCCAAAATATTNAATGTTACCCTTGCCCCGGGGCCGGGNCCCGNTTC
TTTNAAACTAAGTGGGGAATTCCC
Sequence 3677
ACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACANTGCGGTAGTGA
CGGGTTACAGTCCCGTGGGCAGCCTCTGCTTCTACTGTCTTGCCATCTGGACAAACCAGC
ACGCTGGTCATCATGCCGAGAGAGCCATACCCTTGGGCCACAGAGTCCGACTGCACGTCA
CCATCATAGTTTTTACAGGCCCAGATGAAGCCTCCCTCTGATTTCATAGCTTGGGCCACC
ATGTCGTCGATGAGCCTATGCTCATACCAGATCTTTTGAGCTTCAAACTGGGACTTGTAC
CTGCCCGGGCGGCCGCTCTAGAACTAGGTGGATCCCCCGGGCTGCAGGNnnnnnnnnnnnn
nnnnnnnnnnnnTACCCGTCCGACCTCGAGGGGGGGCCCCGGTACCCAGCTTTTTGTTCC
CTTTAGTGAAGGGTTTAAATTGCG
Sequence 3678
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCCCGCCCGGGCAGGTACAATAAGCACACA
CCCAGAAGAGCTGAAGGCTGAAGACAGAGACGATATGGCAAGAGGCAGTGGCCTGGAATG

## Table 1

GGGACTGACCACCCTGCAGAAGTTCAGCCAGGTAGATGTGGGGCAGGGGAACGCTGATGG
TGGTCTCAGGGGGAAAACTCAGGACCTGCACATAAGTGGATGACCGGAAACAACAATAAA
CATTGTGAGATCTGGAAACCCTTTTCTCCAACTGGCTGAAGTGGACCCGGGCTCCTGGGA
AGTAGTTCCTAGTGAGGGAGGCAAGTGTGGGTTCTTCTATATATACATCCAGGTGAGGGG
GGGAATTCACATTCAGCAGTCTCAAGAGCGACTGTTAGCTTCACACACCTTCTCATGGCC
CCC
Sequence 3679
AGGTACGCGGGGACTGTTGCGACTGGCATCCGCATCCGGCAGATGTAGATGGAACCAAAG
TCCAGAAGTTACGCGTCACCCTTGCTCTACAGCCAAACATGCAGGACTCTAGTAACCCGC
GAAATGATGGGATAGCCGTTGCAAATCCTTAAAAGAGTCTTAACGAAATCCTGGCTGACA
TTGACTTCTCCACTGCAACCATCGAGTTCATTGTCTCCTAAACCTTGCCATGGAGGCCTG
TGGCACCTGAGCCAGCCATTATCATCACCAGCACTTCCATGAGCTACAAGCTGGACCCAC
TGCAGTCCTCCTGACACACTGAAATCAGAGCCTGCACACAGAGCAGCAGATGCTTCAATG
TAAAGGTCATTTTCCAGGGTCCTTGACA
Sequence 3680
AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTGCAAATTTACACAGTTTTCTTAGGAATGCTC
TTTCTTTTTTTTTCTCTTTGGACTCTACATTCCTGTAGCTCCTATTCTTCAAGGGCACAG
GGGCTTACTTAAACATAAAATTTTACAACTTAACTGGAAGGGTGCCCTGCTTGCAAATGG
AAAACTGCCACAGAGCAGACTTAACTGCAGCAAGCAGGTGACAGAGCAAGGAACAGGATC
CAAAATTATGATTTTTTGNGTGCTACTGAAGTAAAAGAATTTAAGAAGGTTTTACTCAGG
GTCATAGGCTGGGTTGGAAGACTGGGAAAAAGGAAATCAGGAGTATCTATATCTA
Sequence 3681
CNGAANAATTTGGGGAAGGNCNTNCNCACTCCGGCCGGGGTGGGGGCCGGGGCACCGGAA
GGGGTTAACCCCCCTGGGGCACCCTTCAAATTAACCCCTGGGAAAAAGGNCCAGGTTGGG
TTTTCAAACCNCCTTTNAAGNCCAAAAAAANTCCTTNCNCAAAAACCNCAAGGNCGGGCN
ATNGAAAACCNAAANTTTTTTTCNTTAACCNATTCCAACAAAACCCGGAAACCCCTGGGG
TTTTTTTTTNNAAAAAATTTNCCAAGGCCTTNNTTCAAAAAGGGGGCNCCAAAAAATTTTC
TTTTTTTTTCNTTAAAAAATTTTTAAAACCCCCAAAAAGGAAANACCTTTTTTCAATTTCNN
AGNTTTTCCCACCANGNNAAGAAAAAGGGGGTTTTATNTCCCCAACCCNCCCNNGGGGGGG
GGGGGGGGTATTTTTTTTTTTGGGGGGGGGGGGGGGAATTNTNCTNAAAAAAAANAAAANAANGNT
TNTTTTTTTTTTTAANAAAAAAAAGGGGGGGNGGGGGGGGGGGNGTNTTTTTTTTTTNGGGGNGA
ANAANCNTTTTTTTTTTTNGGGGGGGNNNCCGCCCNNGNNTNNANAAAAACCNCCCCCCCNNT
TTTTTTTTTTTTTTTTTNTTGNGNGNNAAAAAAATTTTTNCCCNGNGGGTGGGGGGGGGGGN
GNAAAAAAACCCCCTCTTTTTTTTTTTTTTTTGTGGGGGGGGGTGGTTTTNTNNTAACANCC
CNCCCCCNTCNTGGNGGGGGGGGGGGGGGTTTTTNNTTCTTGNGGGGGGNGGGNNNNCCNTTN
NTCGGTNNGGGGGGGGGGGGGNAAAAAAAAAAAAAAAAAAAATTTNCCCCCGNGGGGGGG
Sequence 3682
NGCGAGGTACGCGGGTGTGCAGCCACAGTGAGCTTCTGAACATTTCTTCTCAGACTAAGC
TCTTACACACAGTNGCAGTNGAAAGAAAGAATTGCTTGNCATGGCCACAGGAGCANGCNG
CTTCCTGCANACATGACTGTCAACNCAAAACNTCATGTTNACTGGAGGGCNAGGACACAA
TGGTTTTNNCNACAGGAGTACCTCANGAGGCACAATACNANGTCACACTCAAATTGGTGG
CTTTTTTGCCNCAAAAATATTACCCNCNTTTAGGGTNANAGATTCTTTCCCCCTTCCCTGN
CCCAAAGTAAAAGGAAANAAGGTGGGAAATAAAGCAAGGCNNATTTGAAGTTACACTTTC
ACCCAATTGGGGAANAAACCTNTTGNAAAANGTNGCTAAGGGNGGGCAANAAANTTNGAA
AAGGGGGGGCCTTTCAAACNCCAAAATTTTTAATTTTTTTGGGNTTGGCCCAATTTGGGGN
GGCTTTTTTAAAAAGGTTATTTNTTNCCCCTTTGGGAAAAA
Sequence 3683
AGCAAAAGGCCAGGAACCCGTAAAAAGGCCCGCGTTGGCTGGCGTTTTTTCCATAAGGCC
TCCGCCCCCCCTGACGAGCATTCACAAAAAAATCGAACCGCTTCAAAGNTCAGGAAGGNTG

## Table 1

GNCGAA

Sequence 3684

CACTACTTAGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAGATGG
GGTTTCACCATGTTGGCCAGGCTGGTCTTGAACTCCTGACCTCAGATGATCCACCCGCCT
CAGCCTCTCAAAGTGTTGAGATTACAGGCTTGAGCCATTGCGCCAGCCCTACCTTTGTTT
TCTTAATAGTAGGAAAAATATGCCTTTATTTCTGTTATGATTTTTCAGAGAGGTAGAAGA
TAATAGATGCAAACTCTTTGGAANGGAAAGCTTGTACCCTTCGGCCGCTCTAAAAACTAA
GGTGGGATCCCCCCNGGGCTTGNAAGGGAAATTNCAATATTCAAAGCCTTTATTCGAATA
CCCGTTCGAACCCTTTNAAGGGGGGGGGGGCCCCCGGGTACCCCAANCTTTTTTGGTTTCC
C

Sequence 3685

CTACTTAGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTT
TTTTTTTTTGAATCTTAAATGTGCTCTACTAAGTGAAAAACCCATATACATGATTCATGG
GCTACATATCACATGATTCCATTCATATGATACTTTGGAAAAAATTAAAACTATAGGAATG
AACAGACTAGGGCCGGGGTGTCCAATCTTTTGGCTTCCCTGGGCCACACTGGAANAANAA
TTGTGCCTTGGGCCACACATAAAATATACTAACACTAACAATAGCTCTTGAGCAAAAAAA
GTCCATGTNTAAATCTCATAAGGTGTTAANAAAAGTTTACGAATTTGTGTTGGGCCACAT
TCAAAGCCCATCCTGGGCCCGCATGCAGCCCCACGGGGCTGTGGGGNTTGGGACAAAGCC
TTGGGAC

Sequence 3686

CCGGGCAGGTACGCGGGGGGGAGGCAGGTTGGAGCCGCTGCCGTCGCCATGACCCGCGGTA
ACCAGCGTGAGCCCGCCCGNCAGAAGAATATGAAAAAGCGGANCGACTNGGTTAAGGGAA
AGCCNCCCGAGATGACGGGGGCATTTCTGGCTGCACGCNNCGCAAGTCAGAAGGGGACATN
GNTATNATNCATTGTCAGCACCANAGCCAGNAAGNAGAGGCNAANACGGACCAAAAGGAA
GGGAAGTGGAAACACCAATNNTACGNCNTTNTGGTGGGGCNTATGCGGTTGNTACCCAAA
CCCCCTTTTCNTTGNCCCCCTTTNCGNTNCCTGGTTGGTTGGCCCTTGNGAAANNCCCAA
GGNGCCCCCCACCNCAAANGGCCTTTCAGGNCGGTTTTTTACCNTTTCCCTTNGTTAAGN
GTGGGCCTTNCACCCAAGGGNNTTCTCNCCAANTCCGAGCCNCCGNAATTNGGGGNCCAA
NTTTTNCCCCCCTTTTT

Sequence 3687

GGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGAAGAACGGCGGTAACAGTT
ATTGGCAAAAAGCATGAAAAGAGAAAGCACTTTGAAATTTATTACTAGCTTGCTACCCAC
GATGAAATCAACAACCTGTATCTGGTATCAGGCCGGGAGACAGATGAGGCGAGAGGAGGA
GGAGGAGGAGGAGAAGGCTCTGGGCTCCTCTGCAAAAATAAAAATAAAAAAATAAATAAA
ATTTTAAAAATAATAAAAATTCACTATATACACATATAAAGAAATAAAAAGAAGTCTCAG
TTGCCAAAAAAAAAAAAAGAAAAAAAAAGTACCT

Sequence 3688

AGGTACGCGGGTATTATGGAGATGCTCTGTTCCATCCAGGGAGGTGCAGGTGAAAAGAGG
GCAGTTCATCCTCCTCACACTTAGGGCAGGGAGCAGCCATGCAGGGGCANGCATCAGNCA
GTCTTTGCCATTGTTGGACAAAAATCCCACCTTCTCNTNGCTTGCAANTATGGCTCTTAN
TGCGGNAAATGTTTGCCATGAACCTTTAAAAANTNTTTTCTTNTTNTGNTNAANANATTGG
GGG

Sequence 3689

AGTTGCAACAATTCATCTTTATTTCTTATTTTCCTCTGGANATGCAAAATTTGGTATATT
TNACCCCAGGTATATTNGGGATAGTNGGCTCCTCCTGGGNNAGGATGGCTGGGCNCNTTT
CNCCNGGGGGGGGGGNNTTTTTTTTTTTTGGGGGGGGGGGGGGGGGGGGGGGNTTTTNAAAANN
NNCCCNAAAAAAAAANNCCCCNCTNNNNTGGNNGCCNATAACCCNANNNGGGAACANNAAA
AAANATNAAANTTTNNNAAAAAAANANACANNANAGTNCCCCCCCCCCCCNNCTANCNGNGGN
AGNAGAAAAAAAAATAATCCCCCCCCCCCCCNNAGNNAAAAAAAAAAAAAAAAGNGGTCTTTTT

## Table 1

TCTTTNNAAAAAAANAAATNGNGAAAANCCCCCC
Sequence 3690
GAAACACTACTATAGGGCGAATTGGAGCTCNCCGCGGTGGCGGCCGAGGTACTTTTTTTT
TTTTTTTTTTTGANTCCAANTCCCCANGANGGCTTTATTTTTTNTTTTCAACANNCTGNT
CTGCGGNTTCCTTGGCTNTTTTTGCCCNTATNCCCAAAAACCNGGCNTTGGCACNGGCCA
TACNGAAANTAACNAANGNTTTGAAANTCTTNTNTTCCTNAAGNGANGANTNNAGCTTTNT
NCTTNTTANAAAANNTTCCNGACNGGCATNANCNGNCCNGGCANCTGGGNGGCCANTTTCA
ATTNTTNCCCNNGTACCTNCCCGGGCGGGGCGGTNTAAAACTANTGGGAACCCCCGGGCT
GCAANGAATTCCGAAATTCAAGCCTTAATCGANACCGTCNACCTTNNAAAGGGGGGG
Sequence 3691
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTT
TTTTTTCTCCACCANAAACACGTGCACTTTATTGAATGCCATTGTANAAAAGTGCGTGAA
GATAAAGGGCTGATACAGGACTGGGCTCCGGGGGCAGGGCGAGGTGGAGTATGTGGGATT
CAGGTCATGGGCANAGCTCCTGGCCTGGATGATGCCTCCTGATCTATCGATAGGCTTGGA
AGATCAACACCCGGATGATGATGANCANAATGGTCATGAGGATGTCCACAATCAGGGCTC
AAATCCCGCGTACCTGCCCGGGCGGCCCGCTCTAAAACTAGTGGGATCCCCCGGGCTTGC
AGGAATTTCGATNTCAAGCTTATCCGATACCGTTCCAACCTTTNNAGGGGGGGGGGCCC
Sequence 3692
ACTATAGGGCGAATTGGAGCTCNCCGCGGTGGCGGCCGCCCGGGCAGGTACCCGGGCGTG
TGAGGTGTCAGTCTGCCCCTACTTGGGGGTGCCTCCCAGTTAGGCTACTCGAGGGTCTGG
GACCCACTTGAGGAGGCAGTCTGTCCGTTCTCAGATCTCCAGCTGCGTGCTGGGTGCTGG
GAGAACCACTACTCTCCCCGCGTACCTnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnGTCATAGCTG
TTTTCCTGTGTGGAAATTGTTATCCGCTCAACAAATTTCCACAC
Sequence 3693
TGAGGTTTCTCACACTCATGAAAATGAAAATTATCTCTTACATGAAAATTGCATGTTGAA
AAAGGAAATTGCCATGCTAAAACTGGAAATAGCCACACTGAAACACCAATACCAGGAAAA
GGAAAATAAATACTTTGAGGACATTAAGATTTTAAAAGAAAAGAATGCTGAACTTCAGAT
GACCCTAAAACTGAAAGAGGAATCATTAACTAAAAGGGCATCTCAATATAGTGGGCAGCT
TAAAGTTCTGATAGCTGAGAACACAATGCTCACTTCTAAATTGAAGGAAAAACAAGACAA
AGAAATACTAGAGGCAGAAATTGAATCACACCATCCTAGACTGGCTTCTGCTGTACAAGA
CCATGATCAAATTGTGACATCAAGAAAAAGTCAAGAACCTNCTTTCCACATTGCANGAGA
TGCCTTGTTTGCAAAGA
Sequence 3694
CGACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTATGTTCGCAT
CTGTGAATAGTCACTGCACTCTAGCCTGGACAATATAGTGAGAACCCATCTCAAAAAAAA
AAAAAAAAAAAAAAAGGCAAAGTTCTAGATCCTAACTGGAAGAGTTAGGCCAAGAAGGAA
GAAGAGGTTCTGGGAGCTGCTGGCTACTTCCTNATCCTCCTACTATCGAGATACCCGCGT
ACCTGCCCG
Sequence 3695
NGGCGGCCGGCCGGGCAGGTACGCGGGAGCCCCTCATGGGAGCCGGACTCCCTGANACTC
AAGAAAATGCACCCNTCCTGCGTTCCTCCTGCCTGGGGTGACCCATAAGGAACACCCCCN
CCTTCTCAACAACCACAGAATATAAATGCCAAGGGGACCACCAACATGGGCATGGGGGCC
TGTTATGCCCATTTTTAAGGGAAAACACANGTAAAATTGGCTCCAGNAACTGAGCTGGGG
GCAGCTGCTCTTTCTGTCCATGACTTTTGAGGCGGGATCTCGAGCGTCTGTCTNACNGGC
CTTCTGTCTGCTGTCCTCTCGCANGTTTCATACATTGAATCCAGGATTGCAGCCCTGAGG
GCCCNCAGGGCTNACGGGGAAGCCCTCGGGAAAAGCCCCGGTGGGAAGTCAAACCTC
Sequence 3696

## Table 1

NTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGAGCATATAAAATGCAGTTCTGA
TCCTGTCACCTCTCTGCTTAAAACTCTTCANAGGTTCACCATCGCTTCCAGAAAAAGATC
AATACTCCTGACGTGGCAACCTGTCGAGACTCAGGACCGCTAGGAAATCANCTCTTGTTT
ACCCCTCTATCCATTACACTACGATCCAGCTGGGTTTAAGGCATCACTTTCCTCTGAGCA
ATCCTCCCTGATGTCATGAGGCANTTGCTGAGTGCCTTCTCTGGACCCTCTGTTTACTTG
CCTGTTAAATCCTGAACATCTGGAAGGGAGTCGTGTTCAANCAAACATATCTACGCCTTG
CAGCACGGTGCCTGGCCTGCAGCTGGTGT

Sequence 3697
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACGAGTGGGATGGTCAG
GACCTGGGCCATTGCAACCAAAATGGGGACTTCCTGGGTAGGGAGGTCACTCCCTCTACT
CACTGAGCTAGGATTAGGGAGGGTTATTGCCCCAACCATTGCAANGGGAGGTGGAGGGAC
AGGCTCAGCCTTCTCATTGTCTAAATGAGGCCTAAATGTGTNAAGTGCNATTNCTNCTTT
TGTGTNCCTGCCCGGGCGGCCGGCTCTAGAACTAGATG

Sequence 3698
CCGCGGTGGCGGCCGAGGTACGCGGGATTTATAAACATCCTGCAGGAAAATGANTCTATA
TGTCAGAATACACATTTCCCACCTTGCCCAACAGTAGAAAAACATAAGAAGAGAAAAACA
TTAAAAAATGACAAGGAAGTTAATGGAAGCAATGCGATGGTGTTTGGAGGTGGAGCCTTC
ANAAAGGAAATTAATGCCCTTGTAAGAAGAGGCCAGAGAGCTTGCGCACCTTCTTCCTGC
CATGTGAGGAGCCAAGAAGCCGGCTGTCTGCAACCTGCAAGAGGACCCTCACTAGAAGCT
AGCCATACTGGCATCCTCATCTTGGCTTTCCAACTTCCAGAACTGTGAGAAGTATATGTT
TGTGGTTTAAGTCAATGGTCTATGGTAAATTTTTTTTTATTAGCAGTCCCAGCCAAAGACA
GTGCCTCATTTACCTACCATACCATTTATATTATTTATA

Sequence 3699
ACTATAGGGCGAATTGGATTTCCCCGCGGTGGCGGCCGAGGTACCCTCTTTCCCTTCCCA
CCCCCCAATTAAAGGCAAACAATNTCACTTTGCTCTTGCTTAACCTAGATTGTGCTTCAA
AAACTATTAAAATGTAAAAGACTTAACAAAAAAACAAAAAGACGTTTAACAGATGTCAAA
AAGCTCCTTAGTGTTTGAAAATTAATGCTTTAAACAAAAGACAACATATTTTATATNAAA
CANGTTTGAAGAGCCCTNAATTGCAGCATTCTGTAACATAAACAAACAAAAAGCTGG

Sequence 3700
GCGGTGGCNGCCGCCCGGGCAGGTACTTTNTTTTTTTTTTTTTTTTTTTTNACTGGNGGA
AATGACACAAACTGACAAGTATTTATTTAGCCTNATTCCCATNACTCACCACTGCCACCC
AAAAAAGTGTCACCTGAGTATTTATTGCATGCANCCCCAACACTAAAGAAAGATCAGAAA
TTTTTTNTTCCCGTGGGTGGAAAATAAAGGGCTNTTTGCCCACGTNTCCAGGCTTTCTTT
GGAAAGCATTTTGGGAATCATTCCANA

Sequence 3701
CTCGCCCGGGCAGGTACTTTTTTTTTTTAATTTTTTTTTTTTTTTTGGTATTTTTAGTAGAG
ACAGGTTTTGCTATGTTGGCTATGTTGGCCATGTTGACCAGGCTGTTCTAAAACTCCTGA
CCTCAGGTGATCTGCCCACCTCAGCCTCCCACAGTGCTGGGGGACTTGCANCTTGTGNAG
CCACCCGCGCCTTGGNNCCAGACTTTTTTTTTTTATGNAAGAGGAAAAAACCANNATTTAC
TTATGNGANTTTACCCAATGTTTTAACNATGNAAGTGTTGTTAGTAGTCAATAAAGTTCT
TGGAAAGNGGAGATTTGCCGCATAACCCANTTATTGGGACCATTGTTGNGACCACNCTNG
GGAAAGAGNGACCNTTTTTTTANCGCCATGGAGTTTTTACCATNAANAGTTCCCGAANAAG
NCNCCNNTTAAAAANACNAANGCCACCATT

Sequence 3702
CCGCGGTGGCGGCCGAGGTACTTAACTAGGGTTAGCCGAGGTCAGGAGGGTGGATGCCTT
ATTATGGGATTAGTGCCCTTCTAAGAGGGACAGTAGAGGGCTTGTTCATGCTCTCTCTCT
CCATGCACAAGAAAGAGCACACAGTGAGAAGGAAAGAGGCCCTCACCAGAACCTGACCAT
GCTGGCACCGTGATTGCAGACTTCCAGCCTCCAGGATTGTGAGAAGATAAATATCTGTGG
TTTAAGTCACCAAGTCTGTGGTGTGTTTTATGGCAGCACAAGGTAACCCAGATGATGCTT

## Table 1

CTCACCACTGGGTGGTCCAGCCTTTCATGGAAGCTGTCAGCTCCTCAGCCTTGCAAAAAA
TGCTTGCTGGTCACTCTCTTTGGTCCTCTCAGACGCCTTTCTTAGTGGTGCCTCTACCAG
GCCCTTGACTTCATCCTTTTC
Sequence 3703
CACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTCAGCACAGCAC
AAGCCACGCTACAAAAACGTGGCCAGACTCTTGTTTACGTCAGTCCCTGACCACATTTCT
AGTCAGTGGGTGAAGTCTTTCAACCAGGGTCTCTGGCTACCTTGACTGCTGTTGTCTGGC
TGACAGAGGTCTCAGGCTTCCCTGAGTCAGGGCTGCCAGGGGGAGGACCAGATTGTCATC
TTTGCTTTTTGGGCGACCCAGCCATTTCAGCCTTAGGGCTTCAGAGTGTCTGAGGTGACC
AGGGGCTGAAGTGAACCCCCAGCACAGCACAGCTGCTCTATAAAAACGTGGCCAGACTTT
TTTTTTAAAGCAAGTCCCTGTGCTTGTTCCTCCTGACTAGGTAAGACTCCTCAACTTGCC
TCCAGCCACATCTTATAGGTGTGTTCAGATTGGCAACAGGTTCGT
Sequence 3704
CTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACNCGGGGGTAGT
AAGCCATGGCGGCCATGAGTTTNTTGCGGCGGGTTTCGGTTACTGCGGTGGCAGNTCTGN
CTGGCCGGCCCCTTGGCACTCGCCTCGGATTTGGGGGGCTTCCTCACTCGTGGCTTTCCGA
ANGCTGCTTGCTNCTGTTCGACACAANTTGGANACCATGGGAAAAAGACTATTTGTCATC
ANACCTTCTAGATTCTATGACAGGCGTTTTTTGAAGTTATTTGGGATTCTACATTGCATT
NACTGGGGATTTCCAGTANCAATCTTTCATAACTCCNGGTGAATGTATTTTCATTGGTCA
AGGCNTGGAACTAGCAGAAGATTTCCCAGGAAAGGCTATGTCCCANAAACACCTGGGGAA
TATTTATAAGGCATCCCATNTTCAANCATGGGATTTGCC
Sequence 3705
CCCCGCGGTGGCGGCCGTGGCGGACCCCGCGTACTTTTTTTTTTTTTTTTTTTTTTTTAA
ANTGTTTTCTGGGTGAANTTTATTCTGTTTTCACATCTAGGTTGTTGGGGAGAGTGATAG
ACAAANTTCTGG
Sequence 3706
CCGCGGTGGCGCCGCCCGGGCAGGTACGCGGGGACACCCTGATCTTCACTGCAGAATGTA
AAGGTTTCAACGTCTTGCTTTAATAAATCACTTGCTCTCCAAAAAAAAAAAAAAAAAAAA
AAAAAAAGTACCT
Sequence 3707
AGGTACTGGGCTGTGGCACAGCCTTCANAGACAACACNGGTGTATCTCTGATCCTGCCCT
ACCTAGGCTTNAAGGGGCTTCTGTCTGGAGAAATGCCCNTCAAAGGGTNACCAGTAGGTG
TTGGCATTGAANTGGCCAGTTNTTAGCATNTACAAGCCCATCACCCNAGNATTNAATTTT
TGGCCCTGNCCCNTTNNGGGCCCCCCNTTANANGGTTTATTAGAACTNGNTTATTTCAAA
TCCAATNNGTAGGNCCCCNTTCCCNCAGCCTTGGGGTNTGTNNCTTTAAGGGAAATAAGN
CCCCCCANCCNNNGGNNNANTGGTAAAGGGGGGTATGNCCCCTTTNTTTTCTAANTGGGN
NGGCNATCNTTTGGGGAANAATTNCTTTTTNNTGNNTTGTCCCCNAANTNGCGNNGGTCC
NTTTTTT
Sequence 3708
CATTACAAAACAAGTTATGTAGCTAGATATTGGGTTGAATCTTTTGATATTTTAAGAAAC
TATCCCACNGATCAGAGAGTTGATAGACCGTTATTAAACATAGTTGATGANTTATCTGGG
NAGATCAGTCTTTTNCCAAACTTCAAAATTCCAAATCTGNTGGANTAATGTGGAAAATTT
ANTTTTATCTAANCCAATGTGCTTACACACAAAACCTTACTGNTGTCTTCAGGGCCTGAG
TTTTTAAAGNNGNCAAGCTTTTGCAATGGTTTTGNTNATTGATTNNGNGAAAATNTTATT
ANNTAAATTTTCTTAACTTTNCAGTTTTTTTTTCCCCNTTTNAATTNNCNTTTAAATTTCC
TTTNCCANAAAAAAAACCCCCCTTATTTNNGGTAAAAAAANTTTCCCCCCAATTTNACTTAA
NNGGGGNCNNGGTTNCCCTAAATNAAAAAAAAATGGGGTTTTTTTT
Sequence 3709
CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGGTGGCTGCATGCCAGCCAGACACCCA

# Table 1

GTCTTGCAAGACTGTCATTGAAAATCTCCGTTTTGCTGTTCTCCGGGTCTCTGCGTCCAG
TCTTTGTGTTTGGACGGACCTGCCGGGCCATCTTTCTGCAAGAAGATAAAGGAAGACCAG
GAGTGCCTGCCGAACTCCTATGGAGGAAGTCTAGGAGAGGAAGGGGACAGGGAGGAAGAT
GGTGTCTGCAAACCAGGAAGCAGCCTTGCCAGACACAGGATTGGCCACAACCTTGACCCC
AGACTTCCAGCCTCCAGAACTCTCCTACTGCACTGAGAAGCACGTGTTCTCCATTTCCCT
GGGGGAGACCATTGTATTGGGCAGTTTGGAACAAAACACCATGGACTGGGAGGCTTACAC
AACAGAAATT
Sequence 3710

TATCGACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGGGCTGTG
GCACAGCCTTCGAGACAACACGGGTGTATCTCTGATCCTGCCCTACCTAGGCTTCAAGGG
GCTTCTGTCTGGAGAAATGCCCTCAAAGGGTAACCAGTAGGTGTGGCATTGAATTGGCCA
GTGTTAGCATCTACAGCCATCACCGAGATGAAGTTTTCCCTTGCCCGAAGGGCCCCCTAA
GGTTATAGACGGTATCAGCAGGGAGGCCGTCCCGCTGGTTTTCTAGGAGAGCCCACAGGA
GGAAGGGAGCCTCTTCAGGGGCACTGGAATCTTTTGTGCCAGGGGCTTCTTTTCATCANA
GCCGGGGAGTACCTGCCCCGnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnTCAAGCTTATCGATACCCGTCGACCTTCGAGGGGGGGGGGCCCCGGTACCCC
ANCTTTT
Sequence 3711

CGACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGGGTAAACAG
GAGGATCCTTGCTCTCACGGAGCTTACATTCTAGCAGGAGGACAATATTAATGTTTATAG
GAAAATGATGAGTTTATGACAAAGGAAGTAGATAGTGTTTTACAAGAGCATAGAGTAGGG
AAGCTAATCCAGCACAGGGAGGTCACAGAGACCATCCCTAAGGAAGTGGAGTTTAAACTG
AGAGAAGCAAGTGCTTAAACTGAAGGATGTGTTGAAGAAGAAGGGAGAGTAGAACAATTT
GGGCAGAGGGAACCTTATAGACCCTAAGGTGGGAAGGTTCAAAGAACTGAAAGAGAGCTA
GAACAGCTGGAGCCGTTCTCCGGTGTAAAGAGGGAGTCAAAGAGATAAGATTAAAGGATG
TGAAGATTAAAGATCTTGGCGGCATTCAGGGATTGGGCACTTCTTACAAGAAAATCA
Sequence 3712

CCGCGGTGGCGGCCGAGGTACGCGGGATCCTCGGAAGAGCGCTCCCAGGAGAAACAAGCT
TGACCACTATGCTATCATCAAGTTTCCGCTGACCACTGAGTCTGCCATGAAGAAGATAGA
AGACAACAACACACTTGTGTTCATTGTGGATGTTAAAAGCCAACAAAGCACCANGATTAA
ACAGGCTTGTGAAGAAAGCTTGTATTGACATTGATTGTNACCNAAAGTCNACACCCTTGA
TTTCCGGCCTTGAATGGGGGAGAAAGAAAGGCATTAATGGTTTCCNANCTGGGCTTCCTG
GANTTANCCGATGNCTTTTTGGGATGTTTNCCCAACCAAAAAAATTTGGGGATCAATNCT
TAAAAACCTGGGAGTTCCCANGCTTGNCCCTTAAATTTTCGTGGAAATTATTACTAATTA
TTAATTATTAAT
Sequence 3713

CTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGAACACATC
CAAGCTTAAGACGGTGAGGTCAGCTTCACATTCTCAGGAACTCTCCTTCTTTGGCCAGGA
TTGCTACTCTGCAGTCACTGGGAGCAACTGGACTCTCCGGATTGACCAAGTTCATCCTGG
GCTCCATTGGGTCTGCCATTGCGGCTGTCATTGCGAGGTTCTACTAGCTCCCTGCCCCTC
GCCCTGCAGAGAAGAGAACCATGCCAGGGGAGAAGGCACCCAGCCATCCTGACCCAGCGA
GGAGCCAACTATCCCAAATATACCTGGGGTGAAATATACCAAATTCTGCATCTCCAGAGG
AAAATAAGAAATAAAGATGAATTGTTGCAACTCTTAGAAAAAAAAAAAAAAAAAAA
Sequence 3714

ACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTCCTTACTCAGGT
TCTCCATATATTTCTGTAGTGCTTTATGCTTCCAGAGCATCTTGGTGTCTTGATGGCAAT
ATCTCCTGGACCAATTCTTACTTAACAGATGAAGAATGCAATTCCTGTTTTGTCTAAAAA
CTTGCAGCCTTGTATCAAGATGTATCTGTCTAAATTGATGAGAATGGAGCTGGATGTGAC
ACTGGAGGTAACCATTAAGAGATGGATGTCTAAAAAGCCAAACACACAGGTGACGATTCA

## Table 1

TCTCAGCATCTGAAATACAATAAACACAGTCTTTAAAAAAAAAATCAGCTCTAAAGATACA
TGCATAATAAACCTGGAAGGAACATCAAGAAATCTTGTTTCATCTACTGCCTCAGCCAGC
TCCACAGTCTTAAAATTCAACTGCCGGCTGGCAGCAGTGGCTCACGCCAG

Sequence 3715

ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCACGCTGGTTTTGCATCTTCAGGA
GACGCTCGTAGCCCTNGCGCTTCTCCTCGGCCAATTCGCGGAAGAAGTGGCTCACGCCTT
CCAGAGCCACATCATCGCGGTCGAAATAGAAGCCCAGAGAGAGGTAGGTGTAGGAGGCCT
GCAGGTACCACTACATCATTGCAAATCTGGGATTTACTGATGGAGACCTATTAAAAATCC
AGTTTGGAGGTGCAAATGTCTCTGGATTTCAGATAGTGGACTATGATGATTCGTTGGTAT
CTAAATTTATAGAAAGATGGTCAACACTGGAAGAAAAAGAATACCCTGGAGCTCACACAA
CAACAATTAAGTATACTTCTGCTCTGACCTATGATGCCGTTCAAGTGATGACTGAAGCCT
TCCGCACCTAAGGAAGCAAAGAATTGAAATCTCCCNAAGGGGGA

Sequence 3716

GCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGCTCTTGATGCATAAAAACAGCTGGGCTC
CCTTGGAGACAGAGCGCCATGGGAAACCGGGTCTGCTGCGGAGGAAGCTGGAGCTGCCCA
TCAACTTTCCAGAAGAAAAAGAAAACAGGAAGCCAAACAAGACGGACACTGAAGCCGCAG
CCACAACAGCTGCAGCAGAATCTCCCAAAGGGCCATGAAACAACAGGACATACGTATGAA
CGGGTGTTACAGCAGCAAGGGTCTCAAGAGAGGAGTCCAGGCCTCATGTCGGAAGACAGC
AACTTACATTATGCTGACATTCAAGTGTGCAGCCGTCCCCATGCCCGGGAAGTGAAACAC
GTGCATTTAGAAAACGCTACAGAGTATGCGACCCTTCGCTTCCCCCAGGCCACACCTCGC
TATGACAGCAAGAACGGGACCCTGGTGTGAGCGCTTG

Sequence 3717

AGGTACGCNGGGAAGCGTTTACTTTGAAAAAATTANNTTGTTCAAAGCAGGCCCGAGCCG
CCTGGATACCGCAGCTAGGAAAGCGAATGATAAGGGAAAAGTTCTCAGGGAATTGAAGTG
TTGTTGCTATGGTGACGTCCTTTTGCTGTGAATAAAGGTGCTCTTTGCAGCATAAAAAAA
AAAAAAAAAAAAAAAAAAAANGTACCTGCCCG

Sequence 3718

CCGGGCAGGTACCTCTTTGATGAATGAGCCTGGCAGACCCCGAATCGCATTTAAGTGAAA
GCCATAGCCATTTTCACCTTTAGCCAGCCTGCAGAGTTTAGGCTTATGATCTACTTCCTC
TGTAGTATCTGGTGGACTTGAGACTTCCAACNTNACTTGAGGAANTGGGGAGCTNGGGGC
NCTCCTTGACATGAGCCATTGGGGCAGNNCTTGACTTTGATAGTNGAANAAATGGAGAAA
AATGAGCCAGTCTGTACCT

Sequence 3719

CTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTGGTTTTTTTTGNTTTTTTGGGGGTTTTTTTGGCAGCCACAGGAGTTTTAG
CCAATTCAGATGCCTTGCTCCCCACAATTTGGAACATTCCTTTGGATTTGACCAAGTCAG
GAAGAGATGGGAGAGAAGTGAAACAGCAACAATAAACCCCAAACATAAACAAAAAGAGTT
AAGCAAAACAAACAAATGCGCAATTCATGTGATTACTGAGTGTTCTAATGGTAAGGAGAA
ATTAAAAAGCAGCTGGTGGGGTCATCTTAAATTTTTAGTCCATTTAAGGGAAAAATTTTTA
AANAACAAACTCTAATTTCAGCTACTTACCCTGGGAAAATAAAGGGCTTCAAGGGCCTGG
GTGAATTTGTTTCTTNTGGCCCANTCCTTTAANATGGCTTGGGAAAAAAA

Sequence 3720

TCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACATGACTGA
TATTACACCTCAAGGTGTGGCTATGAGAGCTGGAGTTCTGGCTGATGATCACTTGATTGA
AGTGAATGGAGAGAATGTAGAGGATGCCAGCCATGAGGAAGTGGTTGAAAAGGTGAAGAA
GTCAGGAAGCCGTGTCATGTTCCTGCTGGTGGACAAAGAAACTGACAAGCGTCATGTTGA
GCAGAAGATACAATTCAAAAGGATAAACAGCCAGTTTGAAACTGTTACCCCACCAGCCCC
GAATTGTGGGAGATGAANNAAAGGGAAAGCCAATGGGCCTATTGGGTTTTCTATCTTGAG
GGGCCAGGGCTTCAANAAACAGAAAAAGGGTCAAAATCATTCAAANGGACCATTAGGATT

## Table 1

TCTTGGGAAAG
Sequence 3721
CCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTGAGCCCACTGTGTGCTGCCTGNNTTT
ATAAGACATTGAATTTTGTTAATAGAATGTAAACTCCATGAAGGCAGAGATTTTTGTTTA
TTTTGTTCACTGTGGAATTGCTAGCACCTANAATACTGCTTGACAGACAGTAGGCAGTCT
GTAAATTTATTTGTTTGTTTGTTTGTTTGTTATTTATTTATTTATTTATTTATTTTTGA
GATGGANTTTCACTNTTGTCGCCCTGGCTGGAGTGCTAGCGGCACAATCTCAGTTNACTT
CAACCTCCGCCTNCCGGATTCAAGTGATTCTCCTGCCTNGGCCTCTAGAGTAGCTTGGGG
ACTACCAGGCCGTTGCACCACCCACGCCCTGGGCTAATTTTTTGGTANTTTTTTAAGTAA
AAGGGCGGGGGT
Sequence 3722
CTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGTGGTGGTGAAGCTGTAGCCGC
GCTCGGTGAGGATCTTCATGAGGTAGTCAGTCAGGTCCCGGCCAGCCAGGTCCAGCCCGC
GTACCT
Sequence 3723
TGGCGGCCGAGGTACATCCAAGATTAGGTCATAAAAAGTCTGTGGCAGCTACTCGGGAGG
CTGAGGCAGGAGAATTGCTTGCACCCAGGAGGTGGAGGTTGCAGTGAGCTGAGACCACGC
CACTGCACTCAAGCCTGGGCTATAAGAGCAAAATTCTGTCTCAAAAAAAAGTCCGTGGCT
TTTAATCTTGGGGGCTCTGCCTCTTNTGGCTTTTTGCTCAGTTACTCTGAAAAAAAGCCA
GGTGTCACACTGTAAGCTGTCCTACAGAAGAGGCCCCATGTCACCAAAGAAACTTAT
Sequence 3724
ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACGTCTCTGTCTGG
GCCTCGGCCAGGGTGCCGAGGGCCAGCATGGACACCAGGACCAGGGCGCAGATCACCTTG
TTCTCCATGGTGGCCATTGCCTCCTCTCTGCTCCAAAGGCGACCCCGAGTCCCCCGCGTA
CCTGCCCG
Sequence 3725
GCGGTGGCCGGCCGCCCGGGCAGGTACGCGGGTCCAGGGCCGGTGGCACCCCTTCACCAA
CAAGCCGACCACGTTCCGCGGGCTACGCCCCCGAGAGGTTCAGGATCCTGCCCCAGCCCA
TGTGCAAGCACAGTGAAGAGTTGTCCCACCAACTGCAGGCCCAGGCTTTTGGACTGTTAC
TNCCGGTAAAAGGTNGGTTCTTTCCCCTTTNGGGATTCCAAAGCCCAGGCAAAATGGGAA
CCCCATCAATNGGGCAAGTTTGACAAGANGGTTNTGCTTTGGGNATAATTGAANAANCTG
CCCTGTTTTCTTTTTCNANGNGGCCNTTGNTTTTTTGGGGGGGGCCNGTGGACCTTTAGTT
GAAAACCCNACTTCAATTTTTTTTTNTTCCAAAAGTTGGGCNATTCTCCTTTAAAAAACCC
TGGANGNATGGAANGGAAAAGANCNTTTCAAAGGGGTTTTTTNACCAGGGGNCCCCTTTN
NNTTTTTTTTAAA
Sequence 3726
TACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGTGGA
GGGGTAGACATGGAAAGAAAGGCAGATCATGATTAAAAGGTTACAGAAGGAGAAGTAGCAA
GGCTTTAATCCTAGAGCCCATCCTCCCAGAGAATAAATGGTAAAAATGTTTGCCTTTGTG
CCTTGGGAAGCGCTAGGCTCCTGCTGCTCTTTCATCAAAAAAAAAAAAAAAAAAAAAAGT
ACCT
Sequence 3727
CGGCCGCCCGGGCAGGTACCACTCAGAAGCCTTCACTGTCAACTTCGGGGACACCGAAGA
GGCCAAGAAACAGATCAACGATTACGTGGAGAAGGGTACATTGGACATCCTGGACTGATT
CTGTAATTTTCGTATCTTTTTTCTCCCATGTTCCCTTTATTTGTCTTTTGGTTCTGCTTT
TTGGGAGATTTTCTTAACTTGATCTACCTGAGGCTCAGTCCTCATCTGTAAAATGCTGAT
AAAAGGACCTACCACCTAGCGTTGCTGTGAGGTGTCAGTGAAATAAAATGTAAAATGCTT
AGCACAGTGAACTTTAATAAATGG
Sequence 3728

## Table 1

AGGTACGCGGGTCAACTAAAAGAGGTATGGGAAGAGACTGATGGATTGGATCCTAATGAC
TTTTGACCCCAAGACATTTTTCAAATTTACATGATGTCAATANGTTGATGGATTCCTGGA
T

Sequence 3729
TACGACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGGTT
GTGACTAGGAAAGGCATGGGACGACATGTGTCCCAGGTGAGGTATGTGCCACAGGCAGTT
ACGGATGTGTTGGAGGAGGAAATTCCAGGAAGGGGCAAGATCTGGAACGAAGGCCTGGAG
GGAGGTTCCCCTGAAGGATGCTAAAGGAATACGCTTGAATCCATAGGTGCCATCGTGGTT
GAGACAAGTGCAAAAAATGCTATTAATATCGAAGAGCTTTTTCAAGGAATCAGCCGCCAG
ATCCCACCCTTGGACCCCCATGAAAATGGAAACAATGGAACAATCAAAGTTGAGAAGCCA
ACCATGCAAGCCAGCCGCCGGTGCTGTTGACCCAAGGGCCGTGGTCCACGGTACCTGCCC
G

Sequence 3730
CCGCGGTGGCCGGCCGCCCGGGCAGGTACAGGCCCCACCCCCCGTCCAAAGGTCTTGCGT
TGTAAATGCCACCACCATTGTCCAGAAGACTCAGTCAACAATATTTGCAGCACAGACGGA
TATTGTTTCACGATGATAGAAGAGGATGACTCTGGGTTGCCTGTGGTCACTTCTGGTTGC
CTAGGACTAGAAGGCTCAGATTTTCAGTGTCGGGACACTCCCATTCCCCATCAAAGAAGA
TCAATTGAATGCTGCACAGAAAGGAACGAATGTAATAAAGACCTACACCCTACACTGCCT
CCATTGAAAAACAGAGATTTTGTTGATGGACCTATACACCACAGGGCTTTACTTATATCT
GTGACTGTCTGTAGTTTGCTCTTGGTCCTTATCATATTATTTTGTTACTTCCGGTATAAA
AGACAAGAAACCAGACCTCGATACAGCATTGG

Sequence 3731
CCGCGGTGGCGGCCGAGGTACGCGGGGCCTTCCACCATGTGAGGACACAGCAAGAAGGGG
CTGACTCTGAACCAGGAAGCTGTGCTGTGCTCACCAGACACTTTGATCTTGGACTTCTCA
GCCTCCAGAACTATGGGGTTCTGCTCTTGTCACCCAGACTGGAGTGAAGTGGCACAATCT
CGGCTCACTGCAACCTCCGCCTCCCGGGTTCAAGCGATTCCCCTGCCTCAGCCTCCANAG
TAGCTGGACTGCAGGCGCACGCCACCACTCCTGGCTAATTTTTGTATTTTTAGTAGAGAC
GGGGTTTCACCATGTTGGCCAAGATGTTCTTGATCTTCTCACCTTGTGATCCGCCCACCT
NAACCTCCCAAAGTGCTGAGAGACTAAGACACCTTTCTAGACAGAGAGGAGGCCGATGGC
AGACATTCTCAGATAGGTTTGTAGCT

Sequence 3732
CCGGGCAGGTACNCGGGGAGGCATTGAGGCNGCCAGCGCATGGGCTTCTGCTGAGGGGGC
AAGCGGAGCTTGAGGAAACCGNAAGATAANTTTTTTTCTCTTTNAAAGATANAGATTAAT
NCANCTACTTAANAAAAATATAGTCAAATCCGTTACTAAGATATTGCTTTAGCGNNAAGTT
TTTAACCGTAATTTTAATAGGCTTAAGATTTTAACCA

Sequence 3733
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTGGTGTTGTG
ATCGGAACGTGTCGATCCCCTCTTCTCATCACTGCTGCTCCAACTGGATTTATTACTCCG
GGAATGGTCTGAGGGGGAAAACCAATGTGTTTAGCGTGCCTGCCCACCTGCGCCTGAGCA
CAACTATCCTGCAAATCTGACCTGCCCCTCCTGCACAGGAAACCACCTTCCCCTCCCAAT
TGATGGTTCAAACACTGCCACCGCTGACTGCCCTGCATCTGTGGGTCTGTAGAACAGAAA
GGTAGAACAACTTATTTTTTAGGATTTAACGACAACCGGTTGAAAAAACGGTAGGGGTGT
CATGCTCACAGAGAATAAAGATTT

Sequence 3734
CCGGGCAGGTACTATCAATGAAGCCTTACCAAAGGACGTGTCTGAGGATCCAGCTACCAA
GTCAGGATTGTTACCCCCACCACCTGCGCTCCCTCCAAGACCTTGTCCATCACAGTCTGA
ACAAGTGTCGGAGGCCGAGTTACTCCCACAAGCTTGAGCAGAAGCCCCATCCCAGGCTTG
CAGAAAGTAGTCCAGCAAAGAAGGATGTACCTCGGCCCGCTCTANNAACTAAGTGGGATC
CCCCGGGCTGCAAGGAATTCGATATTAAAGCTTTATTNGANANCCGTTNAAACCTTTNAA

# Table 1

GGGGGGGG
Sequence 3735
CCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAATGTTTTTGTT
AAAAACTAAGACACATNTTAGCCTAGGCCTACACCCGGTCAGGATCATTCATATCACTGT
CTTCTGCCTCCACACCTTGTCCCACTGGAAGGTCTTCAGGGGTGNGATCNTTAATACTGA
GTGTCAAACTTGACTTGGACTGAAGAATGCANAGTATTGTTCCTGGTGTGTCTGTGAGGG
TGTTGCCAAAGGAGATTAACATTTGAGNTCANNTGGACTGGGANAGGCAAACCCCCCTNA
ATCTGGGTNGGGCACCATCTAATCAGCTGCCAGCGCAGCTNGAATAAAGCANGAAGGAGA
ANATGGAANAATGACTTGCANAGTTCTTCCANCCTTNATTTTTTTN
Sequence 3736
GGCGGCCGCCCGGGCAGGTACCCCATGTCCTCCCACACCAAAAGAGATCAGTTCTGGCAA
GAAAGCTCCAACGTGCCTTGATGGTGCTGTTGGTAGGATGCCTTAGGCCAGGCACCGTCC
CAGCGATGTTCTGCTGGCTGAGGTACCTNGGCCCGNTCTAAAAACTNAGTGGGATCCCCC
GGGGCTGCAGGGANNTTCNATATCAAAGCTTATCGATNCCCGTNNACNCTCGAGT
Sequence 3737
ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGTATGGGATC
TTAGGAAAAATGAGCCAATCATCAAAGTCAGTGACCATAGTAACAGAATGCATTGTTCTG
GGTTGGCATGGCATCCTGATGTTGCTACTCAGATGGTCCTTGCCTCCGAGGATGACCGGT
TACCAGTGATCCCAGAATGTGGGGATCTTCGATTTGCNTTCCTCTCCACTTCCGTGTCCT
GGAAAAACCATGCNAGGGGG
Sequence 3738
ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGACAGCAAC
TTCCTTGATCCCTGCCACGCACGACTGAACACAGACAGCAGCCGCCTCGCCATGAAGCTG
CTGATGGTCCTCATGCTGGCGGCCCTCCTCCTGCACTGCTATGCAGATTCTGGCTGCAAA
CTCCTGGAGGACATTGGTTTGAAAAGACCATCAATTCCGACATATCTATACCTGAATACA
AAAGAGCTTNTTCAAGAGTTNATAAGACAGGTGATGCCCGCTTGCAGAGGCTATGGGGAA
ATTTCAAAGCAGTGTTTTCTCAACCAGTNACATAGAACTNTGAAAAAACTTTTGGACTGA
TGATGCATACAGTGTACCTGCNCCGGGCCGGCCGCTCTAAGAACTAGT
Sequence 3739
GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACACTAAGAACCTCACCT
CCTAAATTTGTTAGGTATCTTGCAATGCGGCCACTGAGATGGAGAGAGGCTGGGAGCTGG
ACGAACGGCCATCTCTCCTTCCATCTTGGCCTCGGCTCTAAGAACCTAAATCCCTGACTG
GGATGCGTGCGGGAGTTCAATCCANGTATCGCCTGGCGGTGCTCCCCGGAGGCGCCTGCG
GGAAAATTCAGCTTTCCCTCTCCACGACAGGAGGCGCTGTTTTCGTGGAAATCCCCCGGC
TGCGAACCTGGGATCCCTGACCTGGATCAAGTCTCCGAAGCTGGCAGAGTCCATTCTGCA
TCACCGGTCTTGGGCTTTGAAGAAGCCTAGGAGAAATTCCGCTTCGGCCATCACGCTATG
AAAAGTGGATTTTTTTTTTTCTTAAGTCAATTTTTTTTTTTT
Sequence 3740
CCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTNTTTTNTTTTTGNCCAACGAAATTATT
TATTGCTAGTCAGGAGGCCCAGGACCNTCNANANTGAANAGTCNATGGGCCCNTGTGCAT
GTTGANAGNTACACAGGGAATCGCTTGTTCACCCTTNTNAAGGGNATAAAGNCAGAAANA
GNGGCCCACCANNANTGGCCTCATNGGGNCCACNTTCCGGGNGGCCACAAGGGGGGCCCC
AGGGCNTTGGNTGCNNTCAAANANGAACNCTCANGGCCTTTTNNCAANNCTTTTGGCATT
NTCCCAAAGGNTACCCTTTATNTTGGAANANGCCCCCCCCACNTTGNNTTTTGGGAATGG
GGCNAAAAGCCTTTTTTTANNGGCTTTTTGCTTTTTGGGGGAATTTTGGGGTTNGAAANTT
TTTTGGCTTNCNNATTGGAAAATNAAAAAACATTTGTTTTNTTNGGGGNTTGNTNTTTTG
NTTAAGGGGGGAANCAAAATTGGTATTTCANTTCCAAGGGGA
Sequence 3741
TTCAGTAACTATTTGAGGAATGAAATNGTNNTTGATATATTGATTTAACTGAGCAAATCC

Table 1

ATAAGTGCCACGCTTGGAGTAAAGNACAGGGAATCTNATNTTTTGGGTNANTTCAAACAA
GGTAGGANACCATCCACTATCTNTNAAGGACAAAGGAGATTTGAGTGACAAACATGTTCC
AGACCATCCAATGGTGTTATTCTACTACTTCATCCCAGCTAGTAAAATGGGGCAATAAGA
ACCAAAAAGCAGGTACTGTCCCTATGTAAGTAGACTTCC
Sequence 3742
CCTCTGCCTTTTTTGTTCTACGTGGGCCCTCAATGGATTGGATGACACCTGTCCGCACTG
GTGAGGGTAAATCTTTACTTGGTCTTCTGATTCAAATGTCAATCTCTTCTGGAAACCCCC
TCACAGACACACCTAAGAAATAACGCTTCACCAGCTCTCTGGGTAGTCCTTAGCCCAGTC
AAATTCACATACAAAANAAAAAAAAAAAAAAAAAAAAAAAAGTACCTGCCCGGGCN
Sequence 3743
ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCTTGGGACGTGCCATGGCTTGGGAGA
ACTAGTGAGGAACATATTTCTCCATGCCAGTCCTCTTCCTAAAGGCCCCCGCGTACCT
Sequence 3744
CACTACTTAGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATTTTTTTTCTTT
TTTTTTTTTCTTCGAGATGGAGTCTTGCACTGTTGCCCGGGCTGGGTTGCGGNGAGCCNAG
ATTGNGCCATTGCACTCCANCCTGGGCAACAAGAGCGAAACTCCATCTCAAAAAAAAAAA
TNAACAAAAAAAAATCNTTGANTTTAGTTNTATGACCTNACAGGGTCAGTATAGGAGTAT
CACTGTGAAAAGGTTANGGACATTGGTTNTCTNTNNNTTNTCTNNNAGATGGAGCCTGGG
CAAC
Sequence 3745
CGAGGTACTAAGGTGAGATCATTTAATTTTGACTAAAGATACTTTTGTTTTGTTTTGTTT
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AAAGTACCAAAATGTTTACCTTNATAGTTAAAATTACAAAAAATTCTTTTTGNNTTAACG
TNAATTTTATTTTTCCCCANAGTTTTTCTGTAANTGAAAATAATGCCACCCTAATTTTTT
ATAATNGANTACANGTGGCCCTTGGCTATTAANCNACTCCTNTAACNTTC
Sequence 3746
CGCGGTGGCGGCNCGCCCGGNCAGGTACCTGTTGGCTTTCTGCAGAGATGCTTACTTTTC
CTCTCCTATCAGAGTTTAATGTCCTGGGACTCTGACATTTTGGCAAGTGTTTTCTTAACC
CGCAGGGCTGTCAGCCTTGATGCAGGATTGTNAAGCCCAAGCATTCTTGNTCATGAAGTT
TTTCCCATCTTGCCTTTAGACACTCATCACTGCTTCCACCGGTTTGGGAAATTGAAGGGG
GCGGTAACTTCNTTGGATGGCACCACCAATCTTCCCCTCATGGTCCCTTCATAAGGAGGG
GTCACTTGGGGCACTTAGGGTCAATGAATAAAGGGAAAGCTTGGGTATTTCTTTCCCACT
AATTACCCTCCCTGGATACCACCANTNTTCCCGTAGGCCAAACCCTTNCCCCAAAAAGGG
AATTGAAGGGGCCCCAAAAAA
Sequence 3747
CACGCTGGTTTTGCATNTTACAGGAGACGCTCGTAGCCCTCGCGCTTCTCCTCGGNCAAT
TCNCGGAAGAAGTGGCTNACGCCTTNCAGAGCCACATCATCGCGGCCGAAATAGAAGCCC
AGAGAGAGGTANGNTGTANNGAGGCCTTGNANGTACCTNGGGCACGCCTNTAAGAACTAG
GTGGATCnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnNAGCTTATCGATACCGTNGTACCTTC
GTAGGNGGCGGGCTCCGGGTACCACANCTTTTTGTTTTCCCTTTTAAGNTGAAGNGGGTT
AATTTTGCNNCGCTNTNGGNCGGTAAATTCCNTGGGTTCNATTAGGCCTGGTTTTTCCTT
GCTGCNAGAAAAANTTTGGNTNTAATTCCCNGCNTNCAACNANNTTTTCNCAACGACCTA
ANNNCATTAACNNTAANCCCTCCGGGGGNAGGCCANTTAAAAAGTTNGTTAAANAGGCCC
TTG
Sequence 3748
CGTTAATCATGGTCATAAGCCTGTTTCCTGTGTGAAAATTGTTATCNCGCTCACAATTTC
CACACAACATACCGAGCTCGGGAGCATAAANGTTGTAAAAGCCTGGGGGTGCCTAATGGA
GTTGAGCCTTAACTTCACATTTAAATTGCCGTTGNNGCTTCACTTGCCCGCTTTTTNNCA
GATCGGNGAAAACCCTTGGNTCCGTTGCCCAAGCNTGCAATTTNAAATGNAAATTCNGGG

# Table 1

GCCCAAACCGCCNTCCGNGGGGGGANGAAGGGCCGGGTTTTTTNGCCNGTTAATTTGGGGG
CCG
Sequence 3749
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TCTCTCCGCTCATCAAGCTnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnnnnnnNGGTTAATTGCNCGCTTGGCCGNTAATCATGGTTCATAGNCTGA
TTCNCTGGTGTTGAAAAANTGGTTATCCGNATCACAATTTCCACACAACCATTACGANGC
CCGGGGAGGCATTAAAAGGTGTTANNAGCCTNGGNGGTGGCCTAAATTGAAGGTGGANGC
TAACCCTCACCATTTAAATNTGGCTATTGCNGCTCACTGNCCCCNGCTTTTTTNCAAGTT
NCGGGGAAAAACCCCTGGTTNNGATGCCCATGCNTTGGCCATT
Sequence 3750
GGGGGGGGGGGGGGNNGGTNNTNTGNGCCTCTACTATCCTATNGGGCGAATTGGAGCTCCA
CCCGCGGTGGCGGCCGAGGTACANAAGGGCGGTCCTGCTGACTTGGCTGGGCTAGAGGAT
GAGGATGNCATCATTNAAGTGAATGGGGTGAATGTGCTAGAATGAACCCTATGAAGAAGG
TGGTGGATANAATCCAGAGCAANNTGGGAANAATGTCACACTTTNTANTTNTGTTAAAAA
GAAANGCCCTAATGATTNAATTTTGNCNANGCCTANTGTAATAANTNCCCCTTAATTTCG
NTTNTCGCATCACCCTTGGGCCNTNGAATTCNCTACNTGTGTAACAACCCCCTCNTCCCN
AGNAATTTNNTTAAATANGAAAAGGGGAAATTANGGTTGGGGATGNGAAAGGTTNCNTAT
ANCTCAATTGTAACNTTCGGCCAACCATTNNNGGCCAAAAAAAAGGAAANCCTGGGGGTC
CCCCCANCCANNTTAACTNCNTNGNCTCCCTNTGGGTCTGGGNCNCGNCNTTCCTTANGG
AAAACNTTTATGGTTGGNGACTCCTCCNCCCCNNNGGGGCTNTGCCANATNGNATANTNT
CTCGGAATATTACCAAANACCTTTNANTCNCNCATTAACCNCCGNTCCAGAAACNCCTTC
CGTAAGG
Sequence 3751
CAAAGATCAAGGCACTTGGGAGAGAGTCAACAATANCATTNTAATACTACAAGCAGACTT
CTCATGGGGAGGAAGAGAGGGAAGAAAAATGGGCANAGAGGAAAAAGGACATTGTATTTC

                                                                          0

Sequence 3752
CCGGGCAGGTACAGGTCCACCTGGCTGCTGGTCAGGCCTGCGGACCACCTGTTAATCGTG
TCCCGGCTCAGTGCAGCGATGACTGTGTTCATCTTCCCCTTGTCCGGAAGGATGAAGAAG
ACAGTTCCCATTGCCCACGTTAGTTTCATCTTGCACCAGCTTGGNNAGGGGGCAGTCTCC
GCNNTTCATGGAAGGGTAACTGGATGGTGCTTCGACTTGCNAACATNTATGGGCCNCCTT
CACACANCAGTTTGTNCTTCGTTCCA
Sequence 3753
CCGGGCAGGTACTTTGTCCAGCCCTGGTCATCAGGAATCTGAATTAGGACTAGAGCATNA
AAGCCTTAAGGNAATAAAGCAAAGCATTTGAACAACCTTGTCCTCTGACCATTAACTTCG
TTTTGAGGACCTCTGCAGAAAGTGNGAAAGTTCCANGGACAGGGGNCAGGGTGTTTNGGG
ATCCCCGCTGCNTTCCTTCTATGTTTTTGTTCTCNTNTCTCTCAATTCTCACACACCCCCT
ACNATATCCCGCTCAATTACCAACTTTCAGAAA
Sequence 3754
CCGCGGTGGCGGCCGCCCGGGCAGGTACCAACTGAAAAATAAGACAACCAATCCCATCAT
GGTGCCAACCACTCTAGTTGTCTTGGGAAAGTCACTTATTTATCCATCTTGGCTTTCTTG
CTCAAAAATGATGGATAGCTACACCTNACAGTGAGGATTCAGTCATGTAAGCCAAAGTGC
CTTGAAGACAGGAAGCCAGACATTATAGGAGCATAATTTTTGCCCTGAAATGCATTTGGT
AT
Sequence 3755
CCGCGGTGGCGGCCGAGGTACGCGGGGACTCTCGTAGGACTGCTCTACACTGGGCCTGTG
TCAATGGCCATGAGGAAGTAGTAACATTTCTGGTAGACAGAAAGTGCCAGCTTGACGTCC

## Table 1

TTGATGGCGAACACAGGACACCTCTGATGAAGGCTCTACAATGCCATCAGGAGGCTTGTG
CAAATATTCTGATAGATTCTGGTGCCGATATAAATCTCGTAGATGTGTATTGCAAACACC
GCTTTTCCANTTTTCTTGGTTANTAGTGAAGAATTTTNCNANTGGGTGGCNAAACCTGTT
GNCCCATGGTTGCAAGTCATCGAAGTGCACAACAAGAAGGAACATTTTGCAGGAACACCT
GATGAGGCTGCACCCTTGGCGGAAAGAACACCTGACACAGCTGAAAGCTTGGTGGAAAAA
ACACCTGATGAGGCTGCACCCTTGGTGGAAAGAACACCTGACACGGCTGAAA
Sequence 3756
CCGCGGTGGCGGCCGCCCGGGCAGGTCAAGACTGTAATGAGCTATGATTGCACCACTGCA
CTCCAGCCTAGGCGACAGAGCTAGATTCCATTTCAAAAAAAAAAAGGTGGTGATGGTGGGG
CCCGGCATGGTGGTTTACACCTGTAATCCCAGCACTTTGGGAGTGCTGAGGTGGGAGAAT
TGCTTGATCCCAGGAGTTCGAGACCAGCCTGGGCAACATTGAAAGACCCCGTCTCTTAAA
AAAAAAAAAAAAAGAGAGGTAATGGTGGCTCCCTTTCTCTCATCAACACACTCTGGGGGAT
GAAAAGGATGATAATGTCTATGTGTGTGATAGATTGTAGAACGACTGCCACTGTGTTGAG
TGAAGAAAAGGAGTATGTCTGCTGAACAGATTAACTTCTGGGTCTCCAATCANTATGTGT
TGGTGGCCNTANGGGGACTGCATGACTTTAACT
Sequence 3757
TGGCGGGGGGTCACAGGCAGCCATCATGTTCTTGGCATCGAAGACCTGCTGGGTGAGTTCC
GGCACTGTGAGAGCTCGATACTGCTGGCTTCCACGGCTGGTGAGAGGGGCAAAGCCAGGC
ATAAAGAAATGGAGACGTGGGAAGGGGACCATGTTGACTGCCAACTTGCGGAGGTCAGCA
TTGAGCTGGCCAGGGAAACGGAGGCAGGTGGTGACACCACTCATGGTGGCTGAGACAAGG
TGGTTCAGATCCCCCCCGCGTACGCNGGGTGGAGAAGGGCTGCTTTTTTTTCAGTCCTACA
TTCCTTCATTTTTTTTTTTCATTCTTGAATTCATTGTTTTGTGGGATCTAAGACCCAGGGG
TCATTTGAGAGGNTTGACAGTATCTTTTCTGACCAGTTGCCACATGACTTGCTTGACCCT
GAGCCTGTGGAAATGGCATAGGG
Sequence 3758
CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGGGCCCCTGCGGGCCTCTCTCCGTCGCC
ATGGAAACGAAAGCGGCCAAGTAGAGCTCCGTCCTGACGCGCCGCCTCCCGTGGGCTCCG
GCCGGCTAAGCCGCGGCGGACAACTATGCTGAAAGCCAAGATCCTCTTCGTGGGGCCTTG
CGAGAGTGGAAAAACTGTTTTGGCCAACTTTCTGACAGAATCTTCTGACATCACTGAATA
CAGCCCAACCCAAGGAGTGAGGTTTGAGTCCTGCTGGCCGGCCCTGATGAAGGATGCTCA
TGGAGTGGTGATCGTCTTCAATGCTGACATCCCAAGCCACCGGAAGGAAATGGAGATGTG
GTATTCCTGCTTTGTCCAACAGCCGTCCTTACAGGACACACAGTGTATGCTAATTGCACA
CCACAAACCAGGCTCTGGAGATGATAAAGGAAGC
Sequence 3759
GGCNGCCCGGGCAGGTACCTGCTGTGTGCTGGACAATGTTCTGGGTGCTGGAGATGTAGT
CGTGAACAAGAACAAGCCCTGAGCTTACATTCACCAGGGCTAGTGACTGAAGACAGNCAG
CAAACAGAGAAACAGATGCATNAACGGGATCATTTCAGAAGCCAGAATTGTTACAGAGAA
AATAAACCAGGGGTCCAGTGCAGCAAGTGGCATTAGGGTGGCAGGTGTATAACATGGGCC
AGGGGGGTCAGGACGACCACTCTGAATAGTG
Sequence 3760
GCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTT
NCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGNNTTNNNTGTNTN
ACTNATTTNATGTNATCGNGGGGGNNNCAAAGGCNTTTGGTCTGAAAAAATCAAACTGCTN
AATAAAATGCCNTAGTAAGTCCAACTATATGGTTTCATGTAGGGGTAAAAGTAACCATTG
TGGAAGGATTACGATAAAACTGTGTGACAATAAATAGAATAAAAGATGGCAAAACAATCT
GTNAATTACAAAGTGTTATAAAAATGCATTTGAATTTCTAGGTGTTCTTACCACTTTCCA
TATTCCTCATTGGCCNCAATGGGGGGGGACCCTNCCCTTCCTTAAAGTTGGGCAAGNNAAA
AAAAAGGGTTTCCNCCCCCNCNTTGGCTTGAAAGGTNTGNGGCNAAAAACCCTTTTCCCC
AAACNTTTTTAAAAAAAAAATCTTTTATGNNNNACCCCCCCCCCAAAAT

## Table 1

Sequence 3761
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTNTTT
TTTTTTTTTTTTTTTTGNTAAATTTTTAGTATCAGGATGATACAGGGTTTTATAGAATGAG
TTAAGGAGGAGTCCCTCTTTCTCATTTCAGGGCTTATTTGACTGGTAGGNTTNTAATTAC
TGCTTCAATTTCATTACTTGCNTTCTGTTCNATTCNAATATTTCTTGTTCCTTCCTTGTT
CAACTTTNGTTCANGTCTTCCTTGTTCAATTCCTTGTGTTTTCCATTAATTTATTCATTN
CCTCTAAGTTCGNGTAAAATAAGAATATGCTTTATAGTAGCTTCNTGAGGGATCNCTTTG
TATTTCTTGGNGGGGGGATCTATTTGGNGAATGTTCCACCTTTTTTATTAAA
Sequence 3762
CCGCGGTGGCGGCCGAGGTACTGGACAGAGCTAGGAAAGCAAACCCATTTGCTTCTTCCT
GCAGGAAACCCCTTGAGGTTAAGACCCCACAATCACATGAGGATGGAGTGGCTCACCCTC
AGTCAACAGGCCAGACTCAAGGGGTTCCTGGCAAGTCATTTCTCCCTCAGGCCTTCGGTT
TCCTCACCTACAAGATGAGAGGGCTGGACCAGATGGAAATTCAGGGGGTAAGGGGGATGT
CCTCGCTCAGCCCACCCCNACCCCCACGGGACCCTGGAGCCTCCATCCCAGTTCCCACCA
CGCGCCTGCTCCACAAATCCTACCCAAGGTGCTGTCATCTATATGATCTCAGTATTTTTA
AACATTCAGCTTCCAGCCCATATGGTGGTTCATGC
Sequence 3763
CTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTT
TTTTTTTTTTGGCAGCTCAACCCTTCTTTAATGTCATCCAGGGAGGGGGCCAGGGATGGA
NGGGAGGGGTTGAGNAGCCANAGGCANANTATTTTTGGGTGGGATTCACCACTTTTCCCA
TGAA
Sequence 3764
CTATAGGGCGAATTGGAGCTCCCCGCGGNGGCGGNCCGAGGGACTTTTAAGNAAAGGGCG
GGGTTTNACTATGTTGGTCAGGCTGGTCTCAAACTCCTAACCTCGCGATCTGCCCGCCTT
GGCCTCCCGAAGTGCTGGAATTACAAGCATGAGCCACCATACCCGGCCTGATACTTTTGC
TTTTCTTATTGAGGTATAAAATGTAAGCACCTTAAAATTCCCTTCCCTTATATGAACACT
GCATTTTGCTGGATTTTTCAGACACTTAATTTCAACAACCAAGTGAATAACTCTTAACAT
GGAAATTAGAGCTTGGTCCCAGTGACTCAGAGCTAAGGCTAATATTGAGCCTGCAGAAGA
AATTTAATAACGGCCTTGTTAGTTTTTTTCTGGGGAGTCTCTCCTGCAGATNTCCCAGCCT
TCTCACTGAAGCCATGGNAGAAGCCTATT
Sequence 3765
GCGGCCGACGTACANATGGGGTCTTGCTATGTTGCCCAAGCTGGTCTTAAACTCCTGGCC
TCAAGCAATCCTTCTGCCTTGGCCCCCCAAAGTGCTGGGATTGTGGGCATGAGCTGCTGT
GCCCAGCCTCCATGTTTTAATATCAACTCTCACTCCTGAATTCANTTGCTTTGCCCAAGA
TAGGAGTTCTCTGATGCANTAAATTATTGGGCTCTTTTAGGGTAAGAAGTTTGTGTNTTT
GTCTGGCCACATCTTGACTAGGTATTGCCTACTCTGAAGA
Sequence 3766
TTTTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGAGGTGTGCCCTGGTGCATAAA
TAGNTACTCAGCTGTGCTGGCACACTCAGAAGCTTGGACCGCATCCTAGCCGCCGACTCA
CACAAGGCAGGTGGGTGAGGAAATCCANAGTTGCCATGGAGAAAAATTNCAGTGTCAAGC
ATTCTTTGCTCCTTNGGGGCCCCTCTCCTACACTCTTGGCCCAGGAGATCCACAGTCAAA
CCTGGNAGCCCATAAAAGGGACACCAAAGGGACTTCTCGNACCCAAAACTGC
Sequence 3767
CCGGGCAGGTACTACTCGATTGTCAACGTCAAGGAGTCGCAGGTCGCCTGGTTCTAGGAA
TAATGGGGGAAGTATGTAGGAGTTGAAGATTAGTCCGCCGTAGTCGGTGTACGCCGGGGA
TTCCCATGGCTGGCCAGAGGAGGAACGCTTTGTGTTCTCATCGGAGCTGCATGGGAAGTC
TGCATACAGCAAANTGACCTGCATGCCTCACCTTATGGAAAGGATGGTGGGCTCTGNCCT
CCTGTGGCTGGCCTTGGTNTCCTG
Sequence 3768

## Table 1

CCGCGGTGGCGGCCGCCCGGGCAGGTACAGCTAGGCTCAGCAGCAAAAGTGAAGAATAAG
AATGAAAGGTGAAAAGCTGACAGATGCCACGCAGAGCAAGGACTTCCATGAAGGTCCCGT
GTCCTGTGTGCCAAACACAGTCAACATTCCATCATTTTCTCATTGCTCTTAAACGAGCAA
AACCAAATTCTTTTTTTCTATTTAAAGAAATATTAAATCTTTATTTTCCCCAACATAATTT
GTGATCAGGTAAGGCAAAGATAAGTCCACCATCACTGGGGACAGCAGCAACATACAGACT
TCAGAAATAGCCCTGAATCATCAGTAACATTCTATCGTGGTCCCGCGTACCTCGGCCGCT
CTAG

Sequence 3769

AGGTACAGGTTTGGGCCCAGAGGTCTGACAGGAAGGGCAGTAGGAGAGGTGGTCGTAGAT
GATGGGCCAGAGGGCGCAGGGCCTAGCAGGCCATGGAAAGGACTCTAGGTTTTACGCTAG
GTAAAATGAGGAGGCACTGCAGGGCTTTGAGCAGCAGAGTAACACAGTCTAACTTACTTT
TTTTTTTAATGGATCCTACCAGCTGCTAAGTTAAGAATAATTTCCAGTGAGGGCTTTTGT
AGTAAATTAGAGATGATGCTGGTTTGTCAATCTCCCCTTCCAGCAGAGGAATGTGTGGGT
AAGAGAGTCACAATGTTTCTGAACAAAGCCATAGCTCCTAAGTGGTGAAGCTG

Sequence 3770

CACAAGACAGAATAGCCAGATCTCAGAGGAGCCTGGCTAANCAAAACCCTGCAGAACGGC
TGCCTAATTTACAGCAACCATGAGGCCACTTAAGGATGCAGCAAGAAGGAGCCATCTGCA
ATCCAGGAAGAAATTCCTTGCCAGGAACCAAATTGGTTGTCACCTTCATCTAGGACTTCT
AGCCTCGAGAACTTACAAATGGTGATGATCATCANGTCAAGGATAGTCTGGAGCAATTGA
GATGTCACTTTACATGGGAGTTATTCATTGAT

Sequence 3771

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTGCCCAACATCAACCCTTCTTTAATGTCATC
CANGGAGGGGGCCAGGGATGGAGGNNAGGGGGNTGAGCAGCTAGAGGNATCTAACTTACCT
TCCANTTCAAACATTNTNNCAGGAACTAAANNNTATACTAAATCGTATGACGTNCCAAGN
ACNNANCNAACGGGTTTANATAAAANGCACAGCATAANGN

Sequence 3772

ACAAAGAGTCACCGCAGAAACACTTNTGGCACACCTTCCATAGCAGTGTCTGGAACCTNT
CTCTCCTCAGATCAGAGTCGATCTGAGTTAGATTTGAGTGAGTCATGTTACAGAAGACTC
ATNAGGATACTGNTAAGCATTAAAGAAAGCANTNCTTGTCCCTGGGGGCTTTTANGACAN
TGGACTTNCTTGGAAGAAGACTGAAGAAAGCATTTGATGCCTTAGTGTCCTTNGCAGNNT
ATCGTACAAACACTCACCGTNNTGGCAAGTGGCCTA

Sequence 3773

CCGGGCAGGTACCCTGGCCTAGATGCCAGTAGCATATTCCCCAGTTGTCAAAACCAAATA
GTTCTCCCAGCAATGCAAATTATCACCTCATGTGTGCGTGGTATT

Sequence 3774

TCACCAATTCCCCATCTTTATCTTGGTAATTTTAGTTCAACATTGCTCAGCTGATGGCTC
ATTAAGCCAAGAACTCTCCCAGGTCTCAGTTACCATTTTCAGACAAGACACCTTCTGGGG
GTGC

Sequence 3775

TACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCCGGCCGCCCGGGCAGGTACGCGGGACA
ACAGGGTTTGTGCTCCTATGAGAATTTAATGCTGCTGCTGATCTGACAGGAGGTGGAGCT
CAGGCAGCAATGCCAGCAATGGGGAGCTGCTGTAAATACAGATGAAGTTTCACTCACTCG
CCCACCACTAACCTTCTGCTGTGTGGCCCATTTCCTAACAGGCCATGGGTTGGTACATCA
GTTTACTTCGGTAGCCAGTGATTGTTATAGTTAATTCTGCAAAAAAACAAAACCAGTTAT
GCAAAAACAAGAGTACCT

Sequence 3776

TATCACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTGC
AATAACAAAATACAGCAATAAAACAACTGGACACTCCTAGGGGACACCAAAGATAAAGGG
CCCATTAATCAGGTGGAGGCCAGAGAAACCGGAAGGCTATTTTAAAGTGTTTAATATAAT

# Table 1

CATGTAAGGAAAAAAAAATCTCCCCAAAACAATAAAGTCAAGCAATTTCATATCTATATG
AACTTATTTTCATATCTATATGACTAAAAAATGAAAATGACCTTTGCTGGCATTATTGCT
ACGCGAATATCCATACTTTCCCCCTTGATATTTAAGGACATGTGGGAGAACTTTATAAAC
AAGTAAAGTGTGCAGAGAAGGCACTGTTTTGGCACTAGCAAAAAGGGACAGTTAATTTCA
CATGAATCACCGTGAACTTTAATAACCCATGATAT

Sequence 3777

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTCTCTCAAATACATAGGGGCTTTTCCCCT
GGGCAGTTNGCATTCCACAATTACTTGTTTAGNGTTTTCCAAGCTCCCAGGGCTGGGCTG
NGTCTCCGNGCCTGCCCCAGGGGCTTTCATGGGAAANANGGGNTNNNGAAAAGGAGCNNT
AANGCCNTAANCTTGATTTGNGNGCGAAGCTTTTTAGGCCATCCATCATTCAAAGAGCTG
GAAAAG

Sequence 3778

CCGCGGTGGCGGCCGAGGTACTCAAAGCACGTTGCTGGGAGGCAGTGGACAGACTGCTCA
GCAACTAACCGCTCCGTGAACTCCACATCGTTCTCAAATTCTGGGAAATGTTCCATCTCA
ATTCCAACCTATACCAACAGGAGGGAGAGGCCAACTTATCAGAAGGAGGGGAGAACAGGC
CAATTTCCTGTGCCAGAAATTAAGGCCAGGCCTACCACTCCTATGGCACAGTATTGATGA
GAGACATCAGTGGAGCTCCCCACCTCCACCCCAGGCTTGGAACTTAGGGAATGACTGGTT
TTTGTCATTTCACACAACAGCTGAAGGATTCTGTCCCCACCTCGTCCTCTGTGAAGTTCT
GCTGGACCGTACCTGCCAGAATCTTCTGAAGATGACGTTTGCTTGAACACTGACCCACAG
GGGTTTGATGGA

Sequence 3779

CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGAGGTGGATTTGAGAGATACCTCCCTC
CTTCTGCTCAGCTGCCTTGCAGTAATTAAACTCTTTCTCTGCTGCAACACCCCTACTGTT
CTCCGTGTATTGGCTTTTCTGGGCAGCAGGAAGGAAAAGCTGATGCGATGCTCTCAGTGC
CGCGTCGCCAAATACTGTAGTGCTAAGTGTCAGAAAAAAGCTTGGCCAGACCACAAGCGG
GAATGCAAATGCCTTAAAAGCTGCAAACCCAGATATCCTCCAGACTCCGTTCGACTTCTT
GGCAGAGTTGTCTTCAAACTTATGGATGGAGCACCTTCAGAATCAGAGAAGCTTTACTCA
TTTTATGATCTGGAGTCAAATATTAACAAACTGACTGAAGATAAGAAAGA

Sequence 3780

CCGGGCAGGTACAAGAAAAAAACCCCACAGCCTAANTNTCACACGGCTTCTCAGCAGGAG
TTGGATTAAACTGAGAAAATAATTTTAATATCAAGGGATAATGCACGCAAGATGGGAAAA
CTTTAAAGCAAACTCTGCAGTGAAAGTGTTTCCCCCACTCCCTTGGGCGAGGGAAGGGA
GAAGAAGATAGATAATGAGGAGAACTATAAGGCCCTGGATTCAGGTTTCTGAAACTGNTT
TTTTTTTCAACCCTNGGAGGACAATCAGCTCTTCCTGAATCCAGAAAAGCACATCAGAAA
TGCCCAATGACAGACCACAGCCAAATATGGCAGGGCAAACTGATTTGGTTCTGCGATTTC
CATTCTCCTCTCCACATNCGAGAAATGCCTTCAGCTACAGCTAAA

Sequence 3781

CCGGGCACGGTACGCGGGTAGAAATGAGCATACAATAATAGGAACACTATGAAAAAGAAG
GGTAATGAGAGGTGGGACCAAGTCTATAAGATATTAAAGGGTAAGTCTCTCCGGCCCGGT
TTCCCTCGGTGTGCTACTGTGCGCGCCGATCCAGCACCATGGGGAAGCGGGACAATCGGG
TGGCCTATATGAACCCAATAGCAATGGCGAGATCAAGGGGTCCAATCCAGTCTTCAGGGC
CAACAATACAGGATTATCTGAATCGACCAAGGCCTACCTGGGAAGAAGTAAAAGAGCAAC
TAGAAAAGGAAAAGAAAGGCTCCAAGGCTTTGGCTGAATTTGAAGAAAAAATGAATGAGA
ACTGGAAGAAAGAACTGGAAAAACACAGAGAGAAA

Sequence 3782

TCTCCCCGCGGTGGCGGCCGAGGTACCAGACTAGACATGGGCTTCCTTACTATGTCCCGA
CNCATGACAGATAGGCATCACTATTCAAGAGGACTGGGGCTTGCAACCACAGATTAGCAT
CTTATTTGCCATTTAGGTCCCAGATTGCTTGAGCCCAGGAGTTCAAGACCAAGCCTGGGC
AACATAGCAAGACCTCATCTCTACAAAAATAAAAAAAATTAGCCAAGCATCATAGTGCAC

# Table 1

GACTGTTGTCCCAACTACTCAGGAGGCTGGGGCAGGACGATTGCTTGAGCCCAGGAGCTT
AAAGCTGCAGTAAGTGGTGACTTGCCACTGCACTCCAGCCTGGGCAACAAAGCAAGACTC
TGTCTCAAAAAAGAAGAGAAAGCTGAAAGGGTTAGAGACTCAGCAGATGTTTCTAGATAA
GACCAGTTTG
Sequence 3783

CCATTTGGAATCCGGCAATNGTNTTTNGCNAAGGNCGCGGCCGCCCGGGCAGGTACTCGG
GTGACCCAAGGTNGACCATTTTAANTTTCTAAGTTTTCACCGAGATTAACATGCATTTGT
TGAAAGACAAACCTCTTTTACCCTACTCCCCCAGCTGCAAATGCTTTCAGGGTTCACATC
ATGTTGGAACATTTGGTTACAGTGTTTCCTAAACTTTGCGGGTAAAAATTGTTCAAGTAG
GTAAAAATGGAGCACATACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGTACCT
Sequence 3784

CCGGGCAGGTACATGACTGATATTACACCTCAAGGTGTGGCTATGAGAGCTGGAGTTCTG
GCTGATGATCACTTGATTGAAGTGAATGGAGAGAATGTAGAGGATGCCAGCCATGATAGA
AGTGGTTGAAAAGGTGAAGAAGTTCAAGGAAAGCCCGTTGGTCCATGGTTCCTTGCTNGG
TNGGACAAAANGAAAACTGGACAAGCCGTTCATNGTTTGNAGGCANGAAAGTATANCAAA
TTTCAACAGGGAGTAAANCAGCCCAGNTTTGAAAAACNTGTTTACCCCTCANTCAAACNC
CCCGGAATTTGTNGGNANGNATTGAAAANAAAAGGGAAAGCAAATTGGGCTTATNGGNTT
TNCTNATCTTGAAGGGGCCA
Sequence 3785

TCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACACCACAATG
GCTGAGCACTNACTGACNTTGCTGGTAGTGCCTGCCATCAANAAAGATTATGGGTTCCCA
GGAAGACTTCACTTCAAGTGTNGGAACACCCACCCATGAAAGGGGGCTTCAAGTGCTTGTGG
GCTNCACCAACTATACCGGATTTTGAGGGACTCACCCTACTTCAAAGAAGAACAGTGCCT
TTCCCCCATTCTGTTTGCAATGACAACCGTCACCAACACAGCCAATGAAACCTGCNCCAA
GCAAAAGGCTCACCGACCAAAAAGTAGAAGGGTTTGCTTTCAATCANCTTTTNGTATGA
ACANTCCGAAACTTAATGCCAGTCCACCCGTGGGGTTGGTGTGGGCATGCTTGGGAATTT
GGGGGGGTCTCCGAGCTGGGCTTGCCCATGGATTGTTGTCCCATTGTATCTNGTACCTNG
GGCCGCTCTAAGAAANTTAGGTGGGATTCCC .
Sequence 3786

CCGCGGTGGCGGCCGCCCGGGCAGGTACAAGGGCATGACAGGCTGGGAGGTGGCTGGTGA
TCACATTTACACAGCTGCTGGAGCCTCAGACAATGACTTCATGATTCTCACTCTGGTTGT
GCCAGGATTTAGACCTCCGCAGTCGGTGATGGCAGACACAGAGAATAAAGAGGTGGCCAG
AATCACATTTGTCTTTGAGACCCTCTGTTCTGTGAACTGTGAGCTCTACTTCATGGTGGG
TGTGAATTCTAGGACCAACACTCCTGTGGAGACGTGGAAAGGTTCCAAAGGCAAACAAGT
CCTATACCTACATCATTGAGGAGAACACTACCACGAGCTTCACCTGGGCCTTTCCAGAGG
ACCACTTTTCATGAGGCAAGCAGGAAAGTACCTCGGC
Sequence 3787

AGATACCAGGCCGTTTCCCCCTGGAAGCTTCCCTCGTGCGCTTCTTCTGTTTCCGAACCC
TGCCGCTTACCGGGATACCTGTCCCGCCTTTTNTCCCTTCGGGAAAGCCGTTGGG
Sequence 3788

CAACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATGGCTGAAAGC
GAAGTCCACGTTGGCGGAGGCTAATCCGAGGTCCACGTGTGTCCCTCGGTCTTGGTTCTC
CTGGGTCAGATTCTCCTCGTCAAGTGGGCTGTTAGGGTGGCAGAGGACAGCAGGGCAGAA
CCCAGCCGCCAAGAGCCCCAGAGCCAGGAGAGGTAACATTCTCTCCATTCTCAACTCTCA
GGGAGCTGGATGTAGCTGGTGGATTCCAAAGCCGTCTGTCTGGAGTCCCCGCGTACCTGC
CCGnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnGCGCGCTTGGCCGTAATCATGGTCATAAGCTGTTTTCCTGTGTGAA
Sequence 3789

# Table 1

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTATGGTCGGGGTG
GAGCGGGGGCATCTTTACTGTCAGTCACTGGCACTTGTCCACTGTGAAGACCTGATGAACC
AGAGCATTTCCTCTTCTTGTTCTGCTCACCAGCCAGCTGAGGGAATGTCGATGCTGGCAA
TGGGCACAGTGAGTCCCTTCAGGACACTCAGGATGCTGTGGAACGGTTCCCGAACATCGC
CCTTGAAGCTGAAGCCAAAGATGGCATCCACCACCAGCTCATACAGTTCATCAATCGTCA
TGGGCTCTGCGGGCATTTCCCCAAGGAAAGGGATGTCCATTTTCTGACACTGGGTCACCA
ATGCAAGTGAAGAGGGGGCTTGTTAGGCCTTTTGGGGTAATAGATGGTTGGCTCGTAGCC
AAAGAGTTTGAGGTGTCGAGCACAAGACCAGACCATCTTCCTCCATTATTCCCCGG
Sequence 3790
TCACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTACGGAGTGA
CAAAGGGAAAAGTCTGCTTTGAGGCAAAGGTAACCCAGAATCTCCCAATGAAAGAAGGCT
GCACAGAGGTCTCTCTCCTTCGAGTTGGGTGGTCTGTTGATTTTTCCCGTCCACAGCTTG
GTGAAGATGAATTCTCTTACGGTTTCGATGGACGAGGACTCAAGGCAGAAAATGGACAAT
TTGAGGAATTTGGCCAGACTTTTGGGGAGAATGATGTTATTGGCTGCCTTGCTAATTTTG
AGACTGAAGAAGTAGAACTTTCCTTCTCCAAGAATGGAGAAGACCTAGGTGTGGCATTCT
GGATCANCAAGGATTCCCTGGCAGACCGGGCCCTTCTACCCCATGTCCTCTGCAAAAATT
TGTGTTGTAGAAATTAAACTTCCGGTCAAGAAGGGAGGGAGCCCTTCTT
Sequence 3791
CACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCGTTAGCTGAAGGCCAGCAGG
GACCGCAAAAGTTTTTAGGCCCCTTANGTCTTTAGGTTGGCATACGTATCANGGACAGTA
ACTACCATGGCTCCCGAAGTTTTGCCNAAACCTCGGATGCGTGGCCTTCTGGCCAGGCCG
TCTGCGAAATCATATGGCTGTAAGCATTTCCGTGCTATCCCTGGGGGTTGCANGCTTTTG
TNTAAGTTTCGTGTGGGCTGATCAAAGAAAGAAGGCATACGCAGATTTTCTACAGAAACT
TATGATGTNCATGAAAAGATTTTTGAGGAGATGAAGGAAGGCTGGTATCTTTCAAGAGTG
TAAAGTNATCTTGGGAATATAAAGGAATTTTCTTCAGGTTGAANTTACCCTANGAAAGTT
TTGGTCCACTGACCTTTGTGGTTTCCCTTGAAACCTATTGACCACCATTGGAAATAATGG
TGGGGGCCTTAAAGNAAAAATTAAGTTTCCCTTCTTGGAATANANATTAAAAACCAAATT
TAGGCCAA
Sequence 3792
TCTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTT
TTTTTTTTTTGCGGGGGGGAGCATGGGACCTTTATTCGTTAANACATCAGGCTCCAGATAT
GAACTTTCAGCAGAAGCGCTTGCCGGGAGCAAAGGGACAGAAAAGCTGANATGAACAAGT
GCCTGGCAGNAATCACAGCCCGGGCAAGGGTGCTCCAAGCCTCGCATCCCCCGGC
Sequence 3793
CGAGGTACTTGTGACAGGCAGACGTGATTGCAGCCACGAACACGATGAACTCACTGAAGT
CCACCTGGGCATCTCCATTGGCGTCCAGGTCCTTGAGCAATTTATCCACGGCATCCTTGT
CTTTTCCACTCTGCAGGAAGCCTGGTAGCTCCTTCTCCATCAGCACCTTGAGCTCCCCCT
TGGTCAGGGTCTGCGTGCTGCCCTCGCTGCCCGAATATCGGGAAAAGACGTCTATGATCA
TGCCCATGGCTGTCTCTAGTTCCGTCATGGTGCTAGATTCAGACCCACCTTCCTCCTGGG
GGCTGGCAGGGCCGAGAAAATGTCCCCGCGTACGCGGGGGACTCAGATCCCAGCCAGTGG
ACTTAGCCCCTGGTTGCTCCTCCGATAACTGGGGTGACCTTGGTTAATATTCACCAGCAG
CCTCCCCCGTTGCCCCTCTGGATCCAC
Sequence 3794
CCGGGCAGGTACGCGGGTTCTCATTCTTTTCTCCTTTATCTTCACTCTGATTTTTCTTTT
GTCATTCAACGCTTACTCCCTTCCCCATACCTCAGTCCTCCAGGTGACACCTGGGCGCTT
TTCTGCCTGAACAGCATTTCCCACCAACGGCCACAGCAGTCGGTCAGTGTCCTCTTGAGC
ACCTCCTGAAGCTGCAGTGTCATTTGCTGTTTGCCCTAAAAAGCCACGCCCAGATTTCTT
CTACCGCTGCTTCCCTGATGGGCTAGCCCATTCTGACTTGATGTGTACCT
Sequence 3795

## Table 1

GGCGGCCGAGGNACTGTGCTCAAAGCTGAAAATGTTTACTGTCTTTCCCCTCACAAAGTT
TTCAGACTGCTGGCCTAGGGTTTTCAGGGTGGNGGATAGAGACGGTATTAACCAAAACAG
AAAAATCATCCATTATTATGATGATGGGTCAGAAAGAAAGACGGTATCAATCTTGGAGCA
CTTAAATGGGAGGTGTCAAAGGACACACAGCAAGGCAGCCCAGTGTGAAATGGAAAGCTC
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Sequence 3796
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CCTACCTTGGCTTGTGCATGAGGTTGCCTGGTTGCCACGGTGCCTGCTTTTCTCCCTGTG
TCACCTCCACTGCCTCCTGAATAACAGTCTCAGGTTTGTCTATGGCCTCTGCAGGGAGCC
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0

Sequence 3797
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GAAGCTACTGNNTTGNGAAATACTAATGACAGNATCATCCTGCCAAGCGAAAGAGGCAGG
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TGACATCTTGG
Sequence 3798
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AAGTTCGTTCTGCTCACGCGTTATGACATCAATAAGAGAGACAGGAAGGAAAGGACCGCC
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Sequence 3799
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GGGGGCCANGGATGGAGGGGAGGGGNTGAGGANCNANAGGCACCTATTTNTGGGTGGGAT
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Sequence 3800
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CTCTGATGATCACCATGTTNCTGGAATTCAAGCCAGGAAGAAGCACCNATCTGTCTTCTG
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AACTG
Sequence 3801
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# Table 1

CTAGCTGATAACTATGCTCATGGTTTTTAAATCTTGTATAATAGTGCATAAATCTGTCAA
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Sequence 3802
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AGCAGANACGGGNNAAAAGCCAAACCGACACAATGANCGTNCTNANAAAGGAAACTTCTT
CGGAATGAAAAG
Sequence 3803
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CCTANTGCCAAATTAGTCCAATTGNAGCCTTTGCTTCAGCTGGATCATCCCGTGTTNGTT
ANGAGCTCAGCTGTGGCCA
Sequence 3804
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GCTCAAGGTGAG
Sequence 3805
CTATAGGGCGAATNGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGAGCCTGAGAAG
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GGCTTTGACTGCAGACTGTTCACCCACACGAGCCCTGTGCTTTTGGTGTAAATAATGTAC
CTGCCCG
Sequence 3806
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CCTTATCGATAC
Sequence 3807
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`CGGCTCGTTCTANAACTANGGGGATCCCCCGGGCTGCAGGAAATTCGATNTCANGCTTAT
CNNATACCCGTCNGACCTNGAAGGGGGGGGGC
Sequence 3808
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CTGATCCTTCCCAGAAATTAACTCCAGAGGCTGCCACATCTGGTATGAGCGTCCAAACCC
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GG
Sequence 3809
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## Table 1

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GNGTCCCAAACAACATTTGCACAAACCTGATGAGGAGAGAGAATGTGGGGTGGGGATGGA
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GGCGGCCCGNTCTAAAACTAGTCGGGATCCCCCGGG
Sequence 3810
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GTCAGGGACAAGATGGTGCCACCGGTGCAGGTCTCTCCGCTCATCAAGCT
Sequence 3811
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GTCACCCCAGTTATCGGAGGAGCAAACAGGGG
Sequence 3812
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Sequence 3814
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NAGGCTGNAGGAATNGGGACAAGACANATGCCNCCGGGACTTTTAAAAGCTTT
Sequence 3815
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Sequence 3816
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CTGGTTGCCGGCTGAAATAACCTGAATTCAAGCCAGGAAGAAGTAGCAATCTGTCTTCTG

Table 1

GATTAAAACTGAAGATCAACCTACTTTCAACTTACTAAGAAAGGTATTAAGCGCCTTTCT
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AAGAA
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Sequence 3818
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NAACCCCTTNCTAGGGGGGG
Sequence 3820
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Sequence 3821
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NATTAAAA
Sequence 3822
TCCCNTTTGTGGCGGNCGACGTACGCGGGACCACTTCTCTGNGACACATTGCCTTNTGTT
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## Table 1

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CTTGCAGGTTCAAGCNAGAATTGAAAGAAATGCATGGGTGGGTTAAAACTTACCTCATTA
GCAGCATCCCTCTACAAGGTGCATTTAACTATAAGTATACTGCCTGCCTATGTGACCGAC
AATCCAAAAACCTTCTACTGGGACTTTTTACACCAACAGAACTGTGCAAATTGCANGCCC
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```
Sequence 3823
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AGGTACTTTTTTTTTTTTTTTTTTTTTTTCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
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NNCAAAAGACTGTTTTGTANCCCNCCNNTACCNTTGCCCGGGGGCGGGCCCGTTTTTAAAA
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TTNGAATNCCCGTNCNGACCCNTCGGAGGGGGG
```
Sequence 3824
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NCCGNCCTTTTTTCCTTT
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Sequence 3825
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GAAAGATGTGACCTTTTGCTCCTCCTTNCCCATGAATTGTGAGGCTTTCCCCAGTTCACA
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CA
```
Sequence 3826
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```
Sequence 3827
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CGCGGTGGCGGCCGAGGTACCTTAAAGCAGAATCCATAGTTAGTCGGTGCTCCATGTTTT
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TGCCGCGGTTCCTGGAGGCATCACATTACCCGACTTCAAACTATTACTTACAAAGGCCAT
AGTCACCCAAACAGTAAAGTACCTGCCCG
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Sequence 3828
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CTACTTAGGGCAATTGGAGCTACCNNCCCGGCGGGGCGNGCCGAAGNACTTTTTTTTTTT
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TCTTGGCTCACTGCAAGCTCCACCTCCTGGGTTCACACCATTCTCCTGTCTCAGCCTCCC
```

## Table 1

GAGTAGCTGGGACTACAAAGGTGCCCGCCACCACACCCGACTAATTTTTTGTATTTTTAG
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CAAAATGTTTTCCTATTTCCAGCT
Sequence 3829
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CCGGATACCCAGCTTTTTGTTTCCCCTTTTT
Sequence 3830
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CCCGGTCCCCCAANCTTTTTGTTTTCC
Sequence 3831
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Sequence 3832
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Sequence 3833
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## Table 1

CCTCGAGGGGGGGGCCCCGGTACCCAGCTTTTTTGTTTCCCTTTTTAA
Sequence 3834
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GAAAACAATGAAGAATTNAANGAAGAATGNANGACTTTGNGGGGCTIGAGAATACCCACAC
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AGAAACTAGTGGGATCCCCCGGGG
Sequence 3835
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TTAAACCCNTCNANCCNTTGNGGGGGG
Sequence 3836
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TTGGTAAAAGCCTTGGGGGGGGTGCC
Sequence 3837
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CTCTCACCATCAACAACCTGCAGGCTGAAGATGTGGNAAGTTTATAACTGTCCAGCCAAT
ATTTAATNANTAACCTTNNTTNTCCACTNTNATGGNTCGGGNNGGGAACCCAAANGGTTT
GGGAGTATTCAAAAAGCNTAAACTTGGNGGGGCTTGCGACCCAATACCTTGTTCTTTNCA
NTNNTTTTCTCCCCCGCTNCAANTCCTNTGAAATGGAANGCCAAGCTTTTNTAAATAANT
CCTTTGNGAAAAACCTTGGCCCCCTTCNTTGGTTTTGGGTGGGTTGGCCTCCTTGGCCNT
GGGAAAATTNANAACCTTTTNCGTTAATTTCCNNCNAAGTAAAGTAAGGGGGCCCNAANA
NATGGATTANNCACCTTTCNNGGGNCCCCGGNATTTCTTTTAGGTAAAACTTTATGGGNT
GGGGTATTCNCCCCCCCC
Sequence 3838
CCGCGGTGGCGGCCGAGGTACTTTTTTTTTTCTTTTTTTTTTTTTTTTTTTTGCTTTTTTTT
ATTTTCTTTTAATGCATCAAACAACTGTGGCCAGTGAAAGGAAACAAAACTGGCAGTTTG
TCCATTTGAATATCAGACCTAGTTTCTTCTTAATTTCCACACTATTTCTCCCATATTCCT
TAAACTTCTTGGCATCCTTCAATGCCTTACAGCTTNCCCAAGATGCAATAAAAGTCATTG
TACCAGTATTTCTTACAATATAAGTTATATGCCAATGTTCAAGCATTTTTTTTTTTTTCAC
AGCACTAGAGACCCTGTTAAATAGGGGATATGAGTCAGAATGGCTTATTCACAGATGGGG
TCCAGATTNAGTGCCCCGCCGTACCTTGCCCGGGCGGGCCGTTNTANAACTAGTGGGATC
CCCCGGGCTGCAG
Sequence 3839

## Table 1

CCGCGGTGGCGGCCGCCCGGGCAGGTACCTCAGAAGCAAACCCAGTTCCTGCACACAGAA
ACCCCATTCAGGCTCCTACTGCACTGAGAAGCACGTGTTCTCCATTTCCCTGGGGGAGAC
CATTGTATTGGGCAGTTTGGAACAAAACACCATGGACTGGGAGGCTTACACAACAGAAAT
TTATTTCTTGCTGTTCTAGAAGGCTGGGAAAGCTCAAGGTGCTGGCTTGCATATTCATTC
TGAGGCCTCTTCTGATGTGCAGGCAGCTGCCTTCTGACTTGTGCTCACATTGGAGAGAGG
GAGTCAGCTTTGGTGTCTCTTCTTGTAAGGACACTAACCCCATTCACTAGGGCCCCACCC
TCATGACCTAATCACCCCCAAAGGTCCTGTCTCCAGNACATATCACATGGGGGCAAGAAG
CTTNCAATGGTACCTCGGGCCCGCTCTAAGAAACCTAGNTGGGGATCCCCCCGGGG
Sequence 3840
CCGCGGTGGCGGCCGAGGTACGCGGGGAAATCAGGTTTTTTTTTTTTAAAGTGAAACTTGA
TGATTTTTAAACAAGTAATTAAAAAAAATGTCCAAAACACCATGTGGGCCAAACATTTGTT
TGAGCCTGGGGGCCACCAGTTTGCGACCACTGCCTTACGTAGTTAACACCCTGAGTATGT
ATACAGTCATATTTTTTTGGTTTNGGATATTGGNAGTGTTANATATACTTGGGGGGGCGTTG
ATATTTGAAGTCATCTTTATCTCTCAGAGTTAAGCTTTATTGTAGAAGAAAAAAAATNTN
AANAAAAAAAAAAAANNAGGTACCTGCCCGGGCGGCCCGCTNTAAAACTAGTTGGATCCC
CCGGGCTTGCAGGGAATTTNNATATCAAGCTTTATCGATACCCGTCGACCTTCGAGGGGG
GGGGCCCGGGTANCCCANCTTTTTTG
Sequence 3841
GGCAGGTACGACACCCCTCAAGAAGGTGGGCCCGAAGCTTTCCTGTCTTCCCTGACAGAG
ACCATAGAAAGGAAGTCCGATGCTGAAGGATGGGCACCGGCCCANGGGAACAACAGAAGC
CGGNAGATCCGTNCTGGGAACCCCTTTCAGGCTCCATGGAAACATCTTACCTGGGTGCCT
AGATGGATCAANACAGCATTTGGGGGCCAGCCAACTTTCACCAGGAAGCCAAAAAGGTGT
CTAAGTCCAACTTAANTTGAAAAAGGTGGGCCAAAGNTATNGGTGTGGAAGCCCAANGAT
ATGGTCTAAGTGACCNTATTGCCACATACCCCAAAATTTGGGTCAAAAAGTGGTCTGAAG
CANACCAGCATTTAATTGCCAGNACTGGGGTCAACGAAAGCCANCTCAAATGGAAAATCA
ATTTATTGAAAGACCACCAAGGTTTGAAAAGTTCANGGGGACNTAAACACCCAAAGAAAG

　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　0

Sequence 3842
CCGCGGTGGCGGCCGCCCGGGCAGGTACTGTGGATCTTGGCTCACTGCAGCCTCCACCTC
TTGGATTCAAGCAGTTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGAGCCACCATGTCCAG
CTGATTTTTGTATTTTTAGTAAATGAGTTTTCACCATGTTGGCCAGGCTGGGTCTTTGAA
CTCCTGACCTCAAGTGAGCTGCCTACCTGGCCTCCCAAAGCTCTGGGATTATAGGTGTGA
GCCACTGTGCCAGGCCTGAGGTTGGGAGAAATTTTGTCCATTTCTTTAGAACCAAAATTG
GCAACCAGAGAGTATTTGGGATGTTACACAAAATATTTAGTTTCCCTTTCTAGCCTAAAT
TGGGGTTGTTTATAGCACCCGTCTCTCCATTTGAGAAAAATGGTTAGGAT
Sequence 3843
CGCGGTGGCTCGCCCGGGCAGGNACACCCTGTTCTTCTCTGGCTTGCCCACCAGCGGCCT
CTGGACCGTCCAGGCCATGGATCCTAACGCTGCTTATGTGAACATGAGTAACCATCACCG
GGGCCTGGCTTCAGCCAACGTTTGACTTTNCCTTCAGGCCTTGTTATTANANCACCCTTA
NGTGGGCCCTTNGAAAGTTCCCCCAAAATAAAAGAATACAANTTTTTTTANAATTCCTTAN
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GGGGGGCCCCCCCAAANNCCTTTTANCTTTCNCAAGGNGGGGGCCTCCTTAGNGNGNTTTT
TTTNAAAAACNCCCTTCNNACCCTTTGGTANNAAAAGNGGATNTCNTTGGGAANTAACCT
TGNNAANTGAATTCCCCATCCCCNAAGTNGNGGNNTTTTTTTTNCCCAANNNCCTAACNCC
CTTGGGCCANCCCCCANAANCTTTTNCTTTTTTTTTGNTCNAAAAAAAAAGTTTNCANNGNA
ACCAACCCCCAAGGGGCTTTTTATNGTANANTATTTGGAACCCCCACTTGNGGGGGGTTAA
A
Sequence 3844

## Table I

CTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTCACATCACAA
TGTCATTTTGATATGGAGCGTTTTGTTATTNTTACAAGGCAGAATGGGGTGNAACAGTTG
AATTAAACTTAGCAATCACGTGCTCANAGCTTTTGCCTGTCAGTTGTGTGTGTCCCTTAT
AGGCCCTTTCCCCCACAAGCTCTTTGCTGAAAGAAGTTTGCCTTGNTTTGTTNNGNTGNT
TTGTATTTANCCANAGGATGTCAAAATTANTCTTCTCAAAGCTTTGAGTAGAGTAAGTGT
GGGAATAAGCCANTATTTTTTTTTCTGTTTCTGTAACTCAAATGAACGGGTTTTTTTCCCT
TGNNTGCCACTTGNCCTAACATGTCCTTAAGGTGTTTAACCTGCCTCTGACCTGGCTTGC
AATGCATAGGTGAGGAG
Sequence 3845
AGGGCAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACANCAAAACCCACCTGTGTAAAC
ACACACAGCAAAGTGATGTAAGAAGTTTCCATATAAAGGGCTGCAGTATGGAGAGGTAAT
GTGCAGGCTGGTTTGCGGCTGTAGGGGCCACCTTGCTGCAGCTCTCCACTGATATGGTAC
CTGCCCG
Sequence 3846
GAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGCCAAAAAGAAGTCAGAAGGAGC
CAAATCAGGACTGTAAGGTGGATGAATGCCTAATGATTTCCCATCAAAGCTCTCACAAAA
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GAAGCTTTCCCAGGTGTTTTTCTGCTAAAGCTTTGGCTTTCTCAAAACACTTTCATAATA
AGCAGATGTTGTTGTTCTTTGGCCCTCCAGAAAACCAACTAGAAAAATTCCTTTAACATT
CCAAAAGACTATTGCCATGAGCTTTGTTCTTGACCAGTCCAGTTTTGCTTTGACTAGACC
GCTTCCACTTCTTGGTAGCCATTGCTTTGATTGTGCTTTATCTTTAGGATCATACTGGTA
AAGCCATGTTTTGTCTCCTG
Sequence 3847
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CTGCTTCAGCTGACCAGGTTCTTTTAAACCGTAGTCATGCTTTCCCACTAACTCTTAAAT
CCTTATGCTTAGAAAATTGAGGATAAGGCTGGGCACAGTGGCTCAGGCCTGTAATCCCAG
CACTTTGGGAGACCAAGGCGGGTGGATCACAAGGTCAGGAGATCGAGACCATCCTGGCTA
ACATGGCGAAACCCCGTCTNTACTAAAAATACAAAAAAATAGCTGGGCGTGGTGGCGGGC
GCCTGTANTCCCAGCTACTCATGAGGCTGAGGCAGGAGGATCACTTGAACATGGGAGGCG
GAGGTTGCAGTGAGCCAAGATGGCGCCACTGCACTCCAGCCTGGGTGATGGCCGTGAGAC
TCCATGTCAAAAAAAAA
Sequence 3848
CTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAAGGTACTTCCGNGCTT
CTTCATTTCTTCGATAGCCATAAAATTTTCTAGCTCTCTATCACCATCCTTATTTATTNC
TGGTTCTTGAGATCTTTTCTCTGGCTGGCCATTTTCACTGCCTTTAAGCCTTTGTGACTC
TTCCTCTGATGTCAGCTTTAAGNCTNGCTCTGGGTTGCTGTNTTCAGAAGAGTATTTTGG
CATNTGTTTTTCTTNGTAGTCAGAAACTAATTCGCAAATACTGTGATACTCTTCACTTTC
GTTGTCAGGAAACTGCTGATTTTCAGGTGTTCTGCTCTTCCTTTGAGGAATTAATCCATC
ATNACCATTGCCAGCAGTGACACCATTAGTCAGGTTTTCTAGT
Sequence 3849
GGGCGAANTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTTTTTTTTTTTTTTTTTTTT
TTTGGNCTCCCANGACCTCTTTNCACTNTTAAAAATGACATCCTAAANGGCTNTTATTTA
TATGGATATNTACTGATATTGACCATATTCAAATTNAAAACAAANGNTTGAAAATATTCA
CTAATTCCTTTAAAAATAGCTCATTNAAAATATGAAAAAGATACTTTTACAAATTNANTG
AGAATATCACTGNTTNATAATTTTGCAAATCNCTTAATGCCTGGCTTANATGAAAACNGC
TGGAGTCCCATANCNGTTTCTGCATTAAANTTGNTGNTATATGANTTTTNTGCTTAAAAC
CTATGAGGAA
Sequence 3850
CCTATCATACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAT

Table 1

CCTGTGAAATCCAGGTGGAGGCTCCCAAACCTCAGTTCTTGACTTCTATGCACTTGCAGG
CTCAACACCACATGAAAGCTGCCAAGGCCTGGGGCTTGAACCCTCTGAACGCATGGCCTG
AGTTTATACTGGCCCCTTTCAGTCATGGCTGGAGCAGCTGGGATGCAGGGCACCACCTTT
CTGGACTGCACACACCATGGGGACCCTTGGCCCGGCCCACAAAACCATGTTTTCCTCCTA
GGCCTTTGAGCCTGTGATGGGAGGGGCTGCCATGAAGACCTGTGACATGTCCTGGAGACA
TTTTCCCCATTGTCTAGGGGATTAACATTCAGCTCCTCATTACTTTTGCAAATTTCTGCA
TCCGGCTTGAATTTCTCCTCAGAAAATGGGATTTTCTTTTCTT
Sequence 3851
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ACATTATATACAGGATGTCAGAGCTACCAGTGTGCTGCTGGGAGAAAATGCTGCAAAATT
CATCTTTTGGAGGGTGGGGGGAAACCCAAAAACAACAACAAAAAAACTCTCTTACAGAA
TTTTCCTTAACATTAAAAAAAAACTTGTCATATTTTTTCAAAGGCNCATTTGATACTCANAA
TTGCTNAAAGTATATTTAAAGACATCTAGCCTTCCATATGTAAAAAATATTTTAGATAAA
GACAGTTACAGGACTCAGAATAATATATTGGGTGATTCACTGTATCCTCCATTTTTACAT
TTAAAGAAATTCANAATACGTGATTAAATTTTTTTTTTTT
Sequence 3852
CGACTTGGAGCTCCTTCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGATCAAACAAGTC
CTCCAAAAGTGGTTGAAATTGGGCATCAAAGGCAAAAAACTCCTGAGGGATTGCAAGAAT
CAGCTAATGTGAAAATCTCAGGAACTTTCAGCAGTGGGTGGACTGTGAGGCTGCCTGAGT
TCCAGTTTTCTTCTCAGAACAAAGAATATCCCGATCGGGAAGATTGCACTACAGAAAAAG
GCAAAAAGACCACTGTAGAAACAGAAGATTCTTCTGTAGAGAACCCTGAACAGGATCTGT
TTGTAGAACAAAAAAAAAAAAAAAAAAAAAAAAAAGTACCT
Sequence 3853
GCGGTGGCGGCCGGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGA
NACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAA
TGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTT
CATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCATCTG
CCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAG
GATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCAC
TGAAGTTCCTTATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCT
TGAAATTTGCAAGTTGTCTGGGTTCATGTCTA
Sequence 3854
ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTGGTGAATTTCTT
GCACAAGTTGCGGCAGCTGCCTGAGCGATACATGATGAACAGCGTCCTGGAAAACTTCAC
CATCCTCCAGGTGGTGACAAACAGAGACACCCAGGAACTGCTGCTCTGCACCGCCTATGT
CTTCGAGGTCTCCACCAGCGAGCGTGGGGCCCAGCATCACATTTACCGCCTGGTCAGGGA
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TCCAGCTCACCTCATGCTTCTTATTTGGGGAGAGGGCTGTGATGTAAAGGGGTTGACCTC
AGAGGCCTAAGCAACTGGGGCCATCCCCCCCATTAGAGGGGCCCCCAAAACTTGGTTGGA
GAGCTGAACAGGCTGGGACTGAGGAAAGGATAAACCCCGATATTGGGACCTC
Sequence 3855
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TATNGTGCCGGTTTTTTNGGTNTTTAGGGGGGNTNTTNCNGCCNNCACNNNAGAATTNAGCC
AACGCCANATGCCTTGCTCCCCACAATTTGGAACATTCCTTTTGGATTTTGACCCAAGTC
AAGGGAAANAGATGGGGAGGAGAAAGTTGAAACANGCAACAATAAACCCCAAACNTAAAA
CAAAAAGAGTTAAGCAAAACAAACAAATGCNCAATTCATNTTGATTACTGAGTGTTCTAA
TGGTAAGGAGAAATTAAAAGCAGCTGGNGGGTCATCTTAAAATTTTANTTCATTTAAGGG
AAAAAATTTTAAGACAAACTNTAATTCAGCTACTTACCTTGGAAATAAAG
Sequence 3856

## Table 1

TTTGGAATCCGGCGAATTGTTTCTGGGCNANGGCCGCGGCCGCCCGGGCAGGTACTTCGG
GATTATTTCTTTGGAAAAAAGAGNTTTTATGTNTCTGATTGGTGAGTGGCAAGAGTTCAA
CATCGCCAGGTGTGGTGGCTCATGCCTGTAATTCCAGCACTTTGGGAGATTGAGGTGAGT
GGATCACTTGAGGTCAGGAGTTTGAGACCAGCCTGGCCAACATGGTGAAACCCTGTNTCT
ACCAAAAATACAAAAATTAGCCAGGCGTAGTGGCATGTGCCTGTAATCCCAGCTATTCGG
GAGGCTAAGGCATGAGAATCACTTGAATCTGGGAGGCGAAGGTTGCCGGTGAGCAGAGAT
TGCACCTGGGTTGACAGGAGTTGAGACCTTGTCCCAAAAAAAAAAAAAAAAAAANAGTNC
CTCGGCCGCTCTAGAAACTAGTTGGATCCCCCGGGGCT
Sequence 3857
CCGCGGTGGCGGCCGCCCGGGCAGGTACCTTGAAGTTCAGATGAGATTTCGGACTTTTGA
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CAATATGAGAAGGACATGAGATTTGGTGGGCATAGGTGTGAAATGACATTGTTTGGATGT
GTTTACCCTCCAAATCTCTTGTTGAATGTGATCTTAAACGTTGGTGGTGGGCCTAGTGGA
AGGTGTTGAATCATGGGGGTGGACTCTTCATAATTTGCTTAGCTCCATCCCCTTGGTGAT
GAGCAAGTCCTTGCTCTGTTGTGTCACATGAGAAGCTGGTTGTTTAAAACAGCCTGCCGN
TGTTTCCCACTTCTTGCTATTCATTTTCTCTCTTGACACCGTTGATACACTTGGCNCCTC
ACTT
Sequence 3858
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TGGGAGGAGATACTGTCACCTAGGTTACTTGTAGGACCCTATACGGCAACCTCCTTTGCC
AGGAACT
Sequence 3859
ATAGGGCTTTTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATCTGCATGCCATACTTAAG
CAATCTAATTTTNGGTCACCCAGCACGTCCTACTCTGCCCTTCTTCTGCACAGAGCATTT
TCAGGTCTCGGGGCCCTCCCGCTTTGTTAGGCTTAAAGCAGAATCCATAGTTAGTCGGTG
CTCCATGTTTTTTTTTTGCCTGCCAGTGACACATAAATATCACTATTGCCAAATTCGCTGA
AAAACTGCAAATGCCGCGGTTCAGTTCTTCATGGCTGGGGAGGCCTCACAATCACAGCAN
AAGGTGAAAGGCACATCTCACATGGCAGTAGACAAGAGAACTTGTGCAGGGAAACTCCCC
TGGAGGCATCACATTACCCGACTTCAAACTATTACTTCCCCGCGTACCTGCCCGGGGCGG
CCGCTCTAAGAACTAAGTGGGAT
Sequence 3860
CCGCGGTGGCGGCCGCCCNGCCAGGTACCCTTGACATCACANGGGGCANCCCACATCAAC
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AAGTNAAGGAGAAATAAGATCCTTTTCAGACAAGCAAATGCTGAGAGAATTCCGGTATCA
CCAGATCTACCTTACGAGAGCTGGGGNGAAGGAAGCACTAAATATGGAAAGAAAAGATCA
TCACCTGCCACTACAAAAACGCTCTGAAGTACCTCNnnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnNNGATACCGTCCACCTCNANGGGGGGCCC
NTGTACCCANCTTT
Sequence 3861
GGAGTCTTGCTCTGTCGCCCAGGCTGGAGTGCAGTGGCACAATCTTGGCTCACTGCAAGC
TCCGCCTCCCGGGTTCACGCTATTCTCCTGTCTCANCCTCCTGAGTAGCTGGGACTACAG
GCGCCCGCCACCACGCCCAGCTAATTTTTTTGNGNNGGTTAGTANANACGGGGTTTCACCA
TGTTAGCCANGACGGTCTGGATCTCCTGACCTCGTAACCTGCCCGGNnnnnnnnnnnnnnn
nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnCGATACCGNCNACC
TCNAGnnnnnnnnnnnnnnnnnnnnnnnnnnTGTTCCCTTTAAGTGAGGGGTAATTGCCCCC
CTTGGGCGTAAATCATGGNCATAAGCTGTTTTCCTTGNGNGAAATTGTTATCCCGGTCAC
AATTCCCACACAACATACCNAGCCCGGAANCNTAAAAGTGTAAAGCCTT
Sequence 3862
AGGTACTTTTTTTTTTTTTTTTTTTTTTTTNGGGGGGGAAGCCTTGTGGTAACCACAAAGCAAAA

## Table 1

ACTTACAACAGATACACTAAAAATAAAAAGGGACAAATTAAAATATATATTACCTGAGAA
AATTGCTTAAGCACAAAGGAGGATATTAAAAAAAAAGAGAGAGGAAAAGAGAAGACATTA
AGAAAGANGGAGAAGAAGAGAGAAGTAAGAAAACAAGTAGAAAGCAAGTAACAAAATGGC
AGTAGTTAGTTGTTACCTGTTAAAAATAACATTGAATATAAATAGACCGAATTCCCCAAT
AAAAACATATACAGTGGTTGAATGAATTTAAAAGCAAGACTCAACTATATGCTGTCAACAA
AAACTCACTTTACCTATAAAGACTCACATAGACTAAAAGTAAAGAGATGGAAAAACATAT
TCAATGCAAATGAAAACCAAAAAAGAGCAGAAGTGGTTATACTTATTTCAGATGAAGTAG
ACTTTAAGCTAAAAACTATAAAAGGAGACAAAGAAGGNCACTGNATAATGATATTATTAA
TGATCATATNTAATGATTATAAATAAATTTTTATGTNTAAAAAATTT
Sequence 3863
CCGCGGTGGCGGCCGAGGTACTTTGGCCTCTCTGGGATAGAAGTTATTCAGCAGGCACAC
AACAGAGGCAGTTCCAGATTTCAACTGCNTCATCAGATGGNNGGGAAGATGAAGACAGAT
GGTGCAGCCNCAGGNTCGTNTTGATTTTCCACCTTGGNCCCTTGGCCCNAACCGTTGGGG
GGGGGNAGGNATAAATATTTGGNGACAGTNATATGGNTGNCNCATCTTTCAGCCTTGCAG
GCTGGCTGATGGGGGAG
Sequence 3864
TACGACTCACTATAGGGCCGAAATTGGAGCTCCCACCGCGGTGGCGGCCCGAGGTACTTT
TTTTTTTTTTTTTTTGGGGGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTNCCCCGN
NAAAAAAAAAAANCCNNTCNNNNNNNAAAANGGGGGGGGGAAAAAAAAAAAAANAAAANNNNGG
GGNNGGGGGCCCACCCCCCCCCCCCCCCTNAAAANCCCCCCNNGAAAGGNNAAAANNAAAAAAA
CCCCTTANGCCAAAAAANNNNANNGCCCCNANAACCCCCCCCCCNCCCCCCCCNNAAAAAAA
AAAAANCCCCCCCCCCCNNAAAAAAACNAAAAAAAANCTNAACANCCCCCCCCCCCCCNNGG
GGGNCCCCCCCNCCCCNNNTTTTNCCCCCCNNAAAANAAGGAAAAAAACCCCCCCCCCCNN
AAAAAAANANAAAAAANNCNCCCCCCNANAAAAAANNNNNCCCCCCNAAAANCCNNNAAAA
AAANANNCCCNNAANAAAAAAAANAAAANNCCCCCGNCCCCCCNANNGNCCCCCCCCCCC
CCCAANNCCCCNNCCNCCNCCNCCCCCCNNNNNCNAAAAAAAAAAANCCNCCCCCCCCCCCN
AAAAAA
Sequence 3865
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TTTAAATTTCACGTAACAATACTTTTTCCCTGTAAGCATGTCCTAAATATTGCATGGGGC
ATGATTATAATAAAAAAGTTATTATTTATATGAAATTCAAATTTATCTGGAATCCCTGTC
CTTTATCTACTTTTGTTTTTATGATGATTTTTATGATGATTAAAACAAAAGTAGAGAACT
AAAAATTTATTTTTAGTACTTCCTATTGATAAAAATAAAATTAGATGTTAATTATAGAAAG
TTCACAAAGCTAAAAATTTANAATAAATTTGAATGGTCAAACCTCAATACCTGTTTTATT
GTGAATTTTCAGCATTTACCGCTTAATTTTCATTGATCTTTTTGAGACATCCTATATATG
TTCAGTTCTCTGAATTTCTATTTCATTTCTGTTCTGCAAACCTTTGATCTTGCCTTTTAC
CAAATTCAATTTTTTTTCT
Sequence 3866
TCCTCATGGCATCATTCAAGGTCATCCCCTAAATTTTAACACTTTCGATGCCATATACGT
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TCTGTGCATTCTTTGCCACCTTCATTCGTTTCGCCTCGGCCCTTGACTTGTAACAGAACT
CAATCAAAGCCACCAGCATTGCCAAACCAAGGCCCCCGGCAAGGATGTAGAATACTCCAG
CAACGTTGCTCAGACTGAGGGCACTGGTCTTTTCCTAAAGAATGTATATGAGAAGAGGTT
ATTAGGAAGGCAAACTGGTGAATAGAAGAGAACAGCAATGTCACATAGCATTATCACGGG
AACAACCTAGTCACACAGAATGCATTTGAATTTGAGAAACAATGGATTTTCTCTTAGACC
CGCGTACCTGCCCGGGCGGCCGCTCGA
Sequence 3867

## Table 1

CCGGGCAGGTACAAAGGAACCGAGGGGGGGACCACCTCTGAGATGTCCTTGACTTTGTCAT
AGCCTGGGGCATATTGAGCATCTCTCTCACAGCTGCCTTTCTTATCCCCATTCTTGATGT
AGACCTCCTTCCGAGTCAGCTTTTTCTCCTCCTCAGACACAAACAGAGCTTTGATATCCT
GTGCAGGGAGCAGCTCTTCCTCTGGACGAATAGACTGCGTCACTTCAGCTGCTCCCACCA
CTGTCATCTCCCCATTGCCTTTGTCACTCAGTAGATGTCCCCTAAGCCCTTCTAGAGCTA
GGTTCTGGGCCAGGCATCATCTCTTCCTATTGCACCTCCCTCTCATGCCCCACTTGTCTC
TTGGGATCTCATCCTTATCCTCTTGCCAAGTATGTCTTACTTTGTTGCTGGCAAGTGGTA
GTTGGAGGAAGCCTCAAAGCTCGAGTTGTTCCCTCNGTGCAGGGGAGACAAATGGGCCTA
T

Sequence 3868
CGGCCGCCCGGGCAGGTACCTGCCATCCAATACGGTCATTAGATTGGGTCATCTTGATTA
GATTAGATTAGATTAGATTGTCAACAGATTGGGCCATCCTTACTTTATGATAGGCATCAT
TTTAGTGTGTTACAATAGTAACAGTATGCAAAAGCAGCATTCAGGAGCCGAAAGATAGTC
TGAAGTCATTCANAAGTGGTTTGAGGTTTCTGTTTTTTGGTGGTTTTTGTTNGNTTTTTT
NTTTTTACACCTTAAGGGAGGATTTAATTTGCTCCCAACTGATTGTCACTTAAATGAAAA
TTTANNAANGAATAAAANGACNTACTTCTCANCTGCAAATATTATGGAGAATTGGGGCAC
CCACAGGAATGAANAGAGAAAGCA

Sequence 3869
AGGTACCACTCCACCTATATCCCTACCTTTGCATGTCTGTCCAACCTCAAAGTCCAGGTC
TATACACACGGGTAAGACTAGAGCAGTTCAAGTTTCAGAAAATGAGAAAGAGGAACTGAG
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GAATTCACCTAACTCATAGGTATTTGATGGTATGAATCCATGGCTGGGCTCGGCTTTTAA
AAAGCCTTATCTGGGATTCCTTCTATGGAACCAAGTTCCATCAAAGCCCATTTAAAAGCC
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TCAGATGCCATTATCAAGTGGAATTACAAAATGGTATACCCACTCCAAAAAAAAAAAAAA
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AGGGAGCACTGGTGAGCAGTAGGTTGAAGAGAAAACTTGGCGCTTAATAATCTATCCATG
TTTTTTCATCTAAAAGAGCCTTCTTTTTGGATTACCTTATTCAATTTCCATCAAGGAAAT
TGTTAGTTCCA

Sequence 3870
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AAGTGGTGTCCATACATGGGGCTCGAACCTGGGTTGAAGGGTCGCCAGAGCGACGGTTGG
AGAACGTGGAACTAAGCTGGAGGACACCTGAGTACCT

Sequence 3871
CCGGGCAGGTACGCGGGGGAGGTCACACAGGAAAGAAGCAGACCACGAAATGAACTTCGGC
TGTCACCTGCGGTGGGCGCACTAGAGGTCTTTTGAACTCCTTCGGCTACCGTCGCCGCGT
TCTCGCTGTGCACTCTTATTCTGCGCCTGCGCGCGGCTACAGCACGGTTCGTTTTTCCTT
TAGTCAGGAAGGACGTTGGTGTTGAGGTTAGCATACGTATCAAGGACAGTAACTACCATG
GCTCCCGAAGTTTTGCCAAAACCTCGGATGCGTGGCCTTCTGGCCAGGCGTCTGCGAAAT
CATATGGCTGTAGCATTCGTGCTATCCCTGGGGGTTGCAGCTTTGTATAAGTTTCGTGTG
GCTGATCAAAGAAAGAAGGCATACGCAGATTTCTACAGAAACTACGATGTCATGAAAGAT
TTTGAGGAGATGAGGAAGGCTGGTATCTTTCAGAGTGTAAAGTAATCTTGGAATATAAAG
AATTTCTTCAGGTTGAATTACCTAGAAGTTTGTCACTGACTTGTGTTCCTGAACTATGAC
ACATGAATATGTGGGCTAAGAAATAGTTCCTCTTGATAAATAAACAATTACCAAAAAANA
NNNNNNNNNNNNNAAAAAAAAAG

Sequence 3872
AGGTACGCGGGTATACATGAAACCCCCAGCACACGAAGAGGCCAAGGCACCTTCCAGAGG
CTTTGTGGTGCGGGACGCACCCTGGACCGCCAGCAGCAGTGAGAAGGCTCCTGACATGAG

## Table 1

CAGCTCTGAGGAATTTCCCAGCTTTGGGGCTCAGGTGGCTCCCAAGACCCTCCCTTGGGG
CCCCAAACGATAATGATCAAAAAGAACAGAACCCTCTCCAGCCTGCTGACCCAAACCCAA
CCACACAATGGTTTGTCTCAATCTGACCCAGCGGCTGGACCCTCCGTAAATTGTTGACGC
TCTTCCCCCTTCCCGAGGTCCCGCAGGGAGCCTAGCGCCTGGCTGTGTGTGCGGCCGAGG
TACCTGAATGAGCCTGGCCTGGTGCTGTGTCTCCAGACTCGACACAGCCCAGAAAGAAAC
AGGTGAACACACTCCTGAGAGCCGAAACTGGACTCTTGCTGATGGACTCATGGCAATACT
CCAGCCAAAGGCTGCTCCGAGTCCTAGAAGGGCTCGGAACTGTCCTGGGTAAGCCTGTCG
ACACAGTAGGGACAGAGAGGGGTTAGTGTCCTCTTTCACAGCACTAAGCATGTTGTTGCC
CACATG
Sequence 3873
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GCACGGGAAGATAATCTTCCTGCTGGGTGGCCAAACCTNTCCGACCACCCTCGGCTGAAC
TCCTNTCGGCGTTCAAATGTTCCTCTTCTCTCTTTCTCTGCTGNATCGTTTCACCATTCA
TCTGCTTGTCTGGGATGGTGAANACAACTGTTTGCTCATTCTAAACGACACGGAATANAG
GCGTCTCCTCATCTGCTCATCTGCTTCTGGAGCTGCTTGGCAATAGGTGATTGTCTCGCC
GCTCAGCTATAGGCGATGGTCTCACCACTCGGTGATAGGCGATTGTCCCATCTAGGTCGC
CAAAATGTGTCTGGAATTGGTGGGTTCTTCGTCTCACTGACTTCAAN
Sequence 3874
CCGGGCAGGTACCAAAAAGACTCTCAAAAACCAATACTCCCACGGGCAAGGGAATAGCCA
AGTTTGTTGCGGTTTCCAATGAATGACATCAGCCCTGTGTAGGTCTCAATCAAAATGGGT
TCAGTTAACACCATCAGTTTCTTTCCTCTTCCAGATCCAGTTGAATTCTTGTGGGCATTC
TGGATAGCTGGAACAAGCTTAGACATGAACCCAGACAACTTGCAAATTTCAAGGAATTTC
TCACTGGTGTATTTCATAGGATGCTCAGTGAAAGTAGCATAAGGAACTTCAGTGGACCAT
GGGTTCCAGCGGGACAGAAGAGACTGCTCCTCCGGACTCCCCCAGTAGATCCTAAGGCCT
TCTCCTTGTCTCTTGTCCAGGGATATCCCAGGGAAGGTGAACTTGCCCAGGCAGATGCGA
TAGACAGCGCTCAGAGGAATCCGCTGCAGCTGCACACAACTCAGCATGATGAAGTCGTAT
TTGCAGATCAAGAGAGTCTTGTCTGTGACCAGTAGAATTCTCTCCTTCTCATTGTTCCAG
TGGTCTATCTTTGTCAAGAGCCAGAAGCCTTGAATGGTCTCTCCAGAAGTCTCAGCTACN
TGACCTTTCAAGTCTTC
Sequence 3875
AGGTACACCGTGTTTCTGTTGTGTTCTGTGGTGGTTTGCTCCTCACATGTGAGCATTCAC
CGTGGCCCTGTGTTTTTCCACCACACCTCTGCCTGGTGGCATCCTACTGGATGTCTCAGC
CGAGCCACTCTGTTCTGAAGATGCCCTTGTCCTCCACCCCTTTGCTTTGGGCTCTGAGCT
TCTTCTGCCTTTCATCTCTGTAGGATGAAGCCCCACCCGCCCTTCAGGATGCCAGCCTTG
GCAACATTGTGAGACCCTGTTTCTACAAAAACTAAACAAGTGTAGTGGTGCACGCCTGTA
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CATTGAGCTGAGATCAAGCCACGGCACTCCAGCCTGGGAGACAGAGCGAAACCCCATCTC
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TTTTCTCTGATATGCGCCTTTTTCCTCATCGTGGGGGCTCATGTTTTCGTAATTCCCTCT
CACTACTAGATTGTGAGCTGTGTGAAGGAAGGTTCATAGTTGAGTTGTATGTACCTGCCC
GGGCGGCCGG
Sequence 3876
CCGGGCAGGTACACACACATCCTTCTGTGAAACAGTCTCACGGAGACTCTCAGAATCCCA
AGAATTTTCTTCAACGTTCTTTTGTTTTGATTCTGAAGGGAACATCTGATCTGCTCTCAA
TGTTTGTTCATTCTTCAATTCCAAGGCTTTATTTGGAACAGACTTTTGCATTTCAATGGC
AGGCTCGAAGGCAGATGGCTTCTCGGGAGGCTCTGCTTTGAAAGTTTGCATGTCCATCAA
TTCTAAGGCTTTAGTTGGAATAGAAACTTTCATTCTGCAGGGAGCCTTCAGAAAACCATC
ATTATCAGGAGACTCTTCTAATTTTCCATTTATTTTATCTATTTCTTTTTGATGTGTAGC

# Table 1

CTTGGGTAAACACACATCCTTCTGTGAAACAGTCTCACAGAGACTCTCAGAATCCCAAGA
ACTTTCTTCATAGTCCTTTTGTTTGGATTCTGATGGGGAGTATCTCATCTGCTCTCAATG
TTTTGNTCATTCTTCAATTCCAAGGCTTTATTTGGAACAGACTTTTGCATTTCAATGGCA
GGCTCCGAAGGCAGATGGCTTCTCCCCGCGTACCTCGGCCGCTCTAGAACTAGTGGGATC

0

Sequence 3877
AGGTACGCGGGGGGGAGGTGGATTTGAGAGATACCTCCCTCCTTCTGCTCAGCTGCCTTGC
AGTAATTAAACTCTTTCTCTGCTGCAACACCCCTACTGTTCTCCGTGTATTGGCTTTTCT
GGGCAGCAGGAAGGAAAAGCTGATGCGATGCTCTCAGTGCCGCGTCGCCAAATACTGTAG
TGCTAAGTGTCAGAAAAAAGCTTGGCCAGACCACAAGCGGGAATGCAAATGCCTTAAAAG
CTGCAAACCCAGATATCCTCCAGACTCCGTTCGACTTCTTGGCAGAGTTGTCTTCAAACT
TATGGATGGAGCACCTTCAGAATCAGAGAAGCTTTACTCATTTTATGATCTGGAGTCAAA
TATTAACAAACTGACTGAAGATAAGAAAGAGGGCCTCAGGCAACTCGTAATGACATTTCA
ACATTTCATGAGAGAAGAAATACAGGATGCCTCTCAGCTGCCACCTGCCTTTGACCTTTT
TGAAGCCTTTGTAAAAGTGATCTGCAACTCTTTCACCATCTGTAATNGCGGAGATGCAGG
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GTTCG

Sequence 3878
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GTTGAAGCCCAGTGTCCTCAGCTTCATGTCCAGTGGATGGCAGAAGTTCATGGGGTAGTG
GCCTCTCAAAGGCTGGGCGCATCCCAAGACAGCCAGCAGGTTGTCTCTGGAAACGACCAG
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GATGGGGGTTCTCAGAAAGTGGCTGATTGGAAGGGGACAAGCTTCGTTTCAAGGGGTCTG
CCGTTCCATCCTGGTTCANAGAAGGCCGAGCGTGGCTTTCTCTAGCCTTGTCACTGTCTC
CCTGCCTGTNAATCACCACCTTTCCTCCAGAGGAGGAAAATTATCTCCCCCTGCAAAGCC
CGGT

Sequence 3879
CAATTGGAGCCTCCCCGCGGTGGCGGCCGAGGTACNCGGGTCTACATGAAACCCCCAGCN
CACAANGAGGCCAAGGCACCTTCCAGAGGCTTTGTGGTGCGGGACGCACCCTGGACCGCC
AGCAAGCANGTGAGAAGGCT

Sequence 3880
CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTNTGCCCNATTGCATATTTTTATAT
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GCATTTTACATTTATTGNATACTTCAGCTCCAAAATTTGTTTGATTTCTTAAATAATTTC
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TCTCTGTTTTTNATTAAAGCTCAATAAGATTTCCTAAAACAAATATTTTAAATTCTTTAT
CANATCATTTATATATCTCATTTTCTTTAGGATCAGCTACCANAAGATTACTATGTTCTT
TTGGNGGNATATCCCATTGGGTTTTATATACTTCTTATTGNATTATACTGATGNCNGCAT
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TTT

Sequence 3881
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TTCCCACAGAAAATTGCTCTAGTGATGCTAGCAAATCCCAAAATTGGGGTTCAATCCAGG
AGGGTTCCTGGCTTCATAAAGGAAATAATTCAAGAGCAAGCCAAGAGTGTAAAGTGAAGG
CAAAGCAAGTTTATGAGAGCAAGAGAACAGGAAAATGGCTGCTCCACAGACAGAGCAGGG
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## Table 1

TTAATTATGTGCTAAATAAGAGGTCGGTTATTCATGAACTTTCTAGAAAAAGGTTGGAGA
GTTCCCAGAACCAGGGGTTCCTTCTCTTTTAAACTACATGAGGTAGCTTCTGGGCATTGC
CATAGCAT
Sequence 3882
CCGCGGTGGCGGCCGCCCGGGCAGGTACACAGTCCAATGATGCTAAAAAGCAAGCACATA
TGTAAGTCTGCAAAATAACCAGCTGACAGCATGACGACAGGATAAATTCCACACATACCA
TTACTAACCTTAAATGTAAATGGGCTAAATGCTCCCATTGAAAGACACGGGGCAAGCTGG
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AAAAAGGTGTTGTACTCCCAGTTTCTGACAAAACAGACTCTACCAATAAAGATAAAAAAA
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TACCTNGGCCGCTCTAGAACTAGTGG
Sequence 3883
CCGGGCAGGTACGCGGGGGGCTGCATGCCAGCCAGACACCCAGTCTTGCAAGACTGTCAT
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CCTGCCGGGCCATCTTTCTGCAAGAAGATAAAGGAAGACCAGGAGTGCCTGCCGAACTCC
TATGGAGGAAGTCTAGGAGAGGAAGGGGACAGGGAGGAAGATGGTGTCTGCAAACCAGGA
AGCAGCCTTGCCAGACACAGGATTGGCCACAACCTTGACCCCAGACTTCCAGCCTCCAGA
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GGGAAGCTCAAGGTGCTGGCTGCATATTCATTCT
Sequence 3884
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CGAAAAATGTCTAGCAAATCCAAAAAGTGCAAAAAAGTGCATGGCTCACTGGAGGACTTC
CCCAAGAACAGCTCGTTTAACC
Sequence 3885
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CATCTCTCTCACAGCTGNCTTTCTTATCCCCATTCTTGATGTAGGACCTCCTTCCGAGTC
AAGCTTTATCTCCTCCTCGAGACACCANACAGAGCTTTNNTATCCTGTGCAGGGAGCNGC
TCTTCCTCTGGACGAATAAGACTGCGTCACTTTCAGCTACTCCCACCACTGTCATCTGCC
CATTGCCTTTGTGACTACAGGANAGTGNCCCCTAAGCCCTTCTAGAGCTTAG
Sequence 3886
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TCAATACAAACAGAGCACACATGATGCACACGAATAGTCTTGCCAATCAGTGATACTATA
GATGCTGCAACTGTGCCATCAAAACAGACAAGGAAAACACACATCCCTATAATCACTTAA
TCTTAAGTGTTTCATTAATGTTCTCATTAGGCCATTTACTCTATTTCAGTATGTTGCTGT
TTCATGCACTATTATGTATGAGTTAGACATGAACACAGACTGAAATAAATATATTAAATG
CATATACTATATTTAAAATAAAATAAAAACAACAAATCAGTAACTCTGCAGGCATTACCA
AAACATCTTACCAAATTATGCATCTCATGCATATTTGCATTTACATTCTATTTAAGATGG
GTCATTCCCACTAACACACTTGTGGTTTGATTTTGCTGTTTGTGTTTGATTTTGTTTTTT
CACATAAAACCTGCAGCAACTGACCTTACTTCCAGAGTCCTTGGCTCCACATTCACCTTT
ATCGTCCT

Table 1

Sequence 3887
CCGGGCAGGTACCCCCGATGCAATGGAGCTCAACATAAAGCAGCTGGATCAGAAAATGAA
ATGTCTAGTTTACTTGTGATCTAGCTTAAAGTATTTGCCCTCCAACTTGCCTTTTTTTAA
CAAATGGAAATCTATAAAAAACTGACTGCTCTGACTTCAAAGTCACTAAAGATCGAGATA
AGAAGACTGCTTACCAGCGTGGGAACTACTCTAAAGCTGCTCAATAACGTCAGACACGTC
CAGAGTGGAGAACTCTGAAAGAGCCTCTGGTGACCTGACACTGGCACTACCCATCAGCAG
AGAAAAGATGGCCTCCTGTGCCTGAATGTGACAGCCAGGCAACTATGTAAGGCAGTATCA
GAGAATCTTTATGACATCACAGTAGGAAAGAATTTTTTCAACACGATAAAAAATATGGTG
ACTCTAATAAATATCTGACTGTATTAAAACAAAGAGTTTCTATTAATTATTAAAGACATA
TCTAAGAGAATGAAAAATGACCTCTGGGTCAAGGTATCAAGACAGAACAGAAGCATCTAA
CTTCGTTCTCTCCCTATATTCCATTAAAAAATAAAACAAAGATTCTTTTCAATAAAA
Sequence 3888
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TTGGTCAGGGTCTGCGTGCTGCCCTCGCTGGCCCGAATATCGGGAAAAGGACGTCTATGA
TCATGCCCATGGCTGTCTCTAGTTCCGTCATGGTGCTAGGATTCAGACCCACCTTCCTCC
TNGGGGGGCTGGCAGGGGCCGANAAAATGTCCCCGCGTTCCTTGCCCGGGGCGGCCGGTT
CTAAGAACTAGTNGGGATCCCCCCGGGGCTGCAGGAAATTCGATATCAAAGCTTAATCGA
ATACCGGTCGACCTTNGAGGGGGGGGGCCCCGGTTACCCAAGCTTT
Sequence 3889
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TGNAGGTATNTCAAGTNCGGNGNTAGGTCCGNTCCGNTTCCAAGCTTGGGCTTGTGTGCA
CCAACCCCCCC
Sequence 3890
CCGGGCAGGTACCCGGGCGTGTGAGGTGTCAGTCTGCCCCTACTTGGGGGTGCCTCCCAG
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CCAGCTGCGTGCTGGGTACTGGGAGAACCACTACTCCCCGCGTACCTCGGCCGNTCTAGA
ACTAnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnNNCCGACC
TCNGAGGGGGGGGCCCCGGTACCCAAGCTTTTAGTTTCCCTTTAATGAAGGTTAATTGCCN
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Sequence 3891
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GCTTAGCGTTAANTTTTTAACGTAATTTTAATTAGCTTAAGATTTTNAGAGAAAATATGA
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GNAGAGAAAGGGACTACAGAGCCCCCGAATTAATACCAATAGAAGGGCANTGCTTTTNAN
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ACCCAGNCGAAATGGAAAGATTANTGGGGGTGGTAGGGNTGAANCATTTTG
Sequence 3892
CCGGGCAGGTACTGGGCCTTACAGTAACCTGAAATTCCTGATTCTTAGTCAACCTGAAAT
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TNGAGGAAATCCTAGCATTTTGTGCTTAGAGTTGGACTCTGAAGAAAATAGCCATTCCCT

## Table 1

CGTGCTGCGACAGTTCCATTCCTANAGCAGNCTTACAACTAGGTCTAAGGCTGGCCCTAG
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nNAAGCCGGGGAGCNTAAANTGTAAAGCCTGNGGGTGCCTAANGAAGTGAGCTAACTCAC
AT
Sequence 3893
AGGTACCCTGGCCACTCCTTTCCTTTTGGCTGGCCAATGTCTCCTCTGTAGGCTCCAGAA
GGCTCTCAGGGATGTAGGCCGGCCTCCCGCAGGGTTGAGTTTGCAATGGGAACAAAGACA
AGCTGTGGTCCCATAGCACCCTCATCTGGTGGACATCCTTGCTACTGACAGTCAAAAGAA
AGCCTTCCCAGATGAAATTTTAGTCCTTCTGCGCAGCCATGCTCTTCTTTCAGCAAAAGA
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CCAGCCT
Sequence 3894
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CCATGTGGAACTAGTTCAAGATTTCAACATTTTAAGATAATCTGAAAAAAATTGGAATGT
GCCCCCAGCTGCCAATACTCTCTCAACACTGTTTATCAAAGGAACCAATATGGAAGGAAA
AACATTGCTTTGAAGGGAAGATGGATGGATCCCCTAGTAAACTACAGCTTGAGGTGCAAT
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Sequence 3895
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CATGGTTTTCCCAATGCCCGCCCATCAGCTCTCGACCCCGCATTCCGATCCTGAGACAGG
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CGCTTNACTGGNTTCGCTGCGCTC
Sequence 3896
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GAGATCATGTGGGTGGGGCACCCATGATGGAATTAGTGTCCTTATAAAAAGAGGAAGAGC
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AGCTCAAGGCAGACTAAGATTGCTAGTANCCTGCCCGGGCGGCCGCTCTAGAACTNGTA
Sequence 3897
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Table 1

CAATTACCTTTATTCAATTAATGCAAAAACAAAAATGGGGAGATGTTACAGGTCGAAAGA
ATGAAGGTCGTGACCAACTCAGTATACCACTGAAGGCTATATGAGCAAACAGAAAACTGT
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TGTTGNACCTCGGC
Sequence 3898
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CCCCNANNTTTNGTNCCNTNAANNNNGGGTAAANNNCCCCCNNGGCNAAAAANAGGGNAAA
ANCTNTTNCCNGGGNAAAAANGGNNATCCCCNNAAAAANCCCNNAAAAAAAAACAACCCGGNA
ANAAAAAGGGAAAACCCGG
Sequence 3899
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CCAACATACCAAGCCCGGGNAGCATAAAAGTGNTAAAGCCCTGGGGGTGCCCTAATNGAG
TTGAATTNAACTCACAATTAAATTTGGCGTTTGNGCTTCACTTGCCCCGCTTTTCCAG
Sequence 3900
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ACAGTGTAAGATATTATAGGGTATAGGGAACCGATAACTTGTTGGGATTATGTTGTCCAC
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TCCTTGCCTCCAAACTGGGGTGGGGGGGTTGGTTGCAGAGACGACTACGTTTCTGTACCT
GCCCGGGC
Sequence 3901
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TGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTTTGGGTGAAGNGNG
Sequence 3902
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CAGGTGATCTGCAACTCTTTCACCATCTGTAATGCGGAGATGCAGGAAGTTGGTGTTGGC
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ATCTGCTACCTGGATATGCTGATGACCAGTGAGGAGCGCCGGAAGCAGCTGAGGGACCAG
TACCT
Sequence 3903
TGCGAGCCCTCTGCCAGATCACTGATAGCACCATGCTGCAGGCTATTGAGCGCTACATGA

## Table 1

AACAAGCCATTGTGGACAAGGTGCCCAGTGTCTCCAGCTCTGCCCTCGTGTCTTCCTTGC
ACCTGCTGAAGTGCAGCTTTGACGTGGTCAAGCCGCTGGGTGAATGAGGCTCAGGAGGCA
GCATCCAGTGATAACATCATGGTCCAGTACCTCGGCCGCTnnnnnnnnnnnnnnnnnnnnn
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Sequence 3904
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TNAAAACAAA
Sequence 3905
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AACAAATCCAGTTCATTCTCTGCAAAATCCGTAGCCATTTTGGAAATTGAAGTTGTAGCA
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GGTGGCATTTGCCGGTCATGGACCCTGTAGCAGTGCGTCTGCAAGCGCTTCACGTCCCAT
TCCTCTAGCACGCCATGGGTCATCAGCAACTGGAGGAAGCGCCGGTGGACATCAAGTCAT
GACGNCCCATTCTCCTTTGTGCTGCCCTGCATGTGGGAACGAACAGGGAGCCCAAGGNGC
ATCCCANGCCGNCCCCGCGTCCTCGGGCCGNTCTAGAACTAAGTGGATCCCCCCGGG
Sequence 3906
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GGGAAAANCCCCNNNAAAAAANNNNNCNCNTTTNGGGGGGGGGGGGGGNCCCCCCCCCCCCC
NAAANTTTAANNNNNNNCNNNAAAAAAAAANCCGGGNNNNCCCCCCCNAAAAANNNCCCNAAA
ANNGGNNNNNNCNNNAAAAAAAAAANNCCNTTTTGGNNNNGGGGNAAACNCCCCCCCCCCC
CNGGGG
Sequence 3907
NNNTTTTTTTTTTTTTTNTTTTTTTTTGGGGTTTTTTTTTNTTTTTTTTTTTTNTTTTT
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TTTTNTTTTTCANAAANNAAAAATTTTNGGGGGAAAAAAAAAAATNANAAAAAAAAAAATTT
TTTTTTTTTTTTTGGGGGGGTTTTTNGNGGGGGCCCNCTTTTTTTTTTTTNTTCTTCNTCTTTT
TGGGGGGGGGGGAAAAAAAAAANAAAANAAANNTCTTTNNGGCGCNNAAAAAAAANGAGGGGG
GCNCTTTTTATTTTTNTCTCCNGGGGGGGGGGGGNTTTTTTTAAAAAAAAANATANNNNCCCC
CCCCCNCCCCGCNNNGGNNAAANTTNNTNAANNTNTNTTTTTTTTTTNTCCCCCCCCCCCC
CCCCCGGGGGGGGGGGGGGGGGNCCCCCCCCTCTTTTTTTTTTTTTTTTTTTTTTTTNTAANAN
GAAAAAAAANNCCCCCCCCCCCCNNAAAAAAAAAAAAAAAAAA

## Table 1

Sequence 3908
GCGCGTAATACCGACTCACTATAGGGCCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCC
GGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGTTTTTTTTTTTTTTTTCTGGG
TNAAGTTTATTCTGTTTTCACATCTAGGTTGNTGGGGAGAGTGATAGACAAAGAACNGGA
TTCTGGGCATCGTCGNCGCATGCTTGAAATCCTACTNGNGAGGANAAAANAAGANGAANA
AAAAGAAGCNAAGGANTAGAANNNANAANGNGACNANGAAAACANNTANNAAAACCANAN
GAACNNAAAANANNAANAANANCANANNNAAACCNCNANANNNTAANAAAACATAANANG
GNAGANCNANCNAANAANAANANNANANAATAAAANAATAAAAAAAAAANANANAACNNC
AAAAANAGAAAAAGAGAGAANNACAAAATAAAAGANCAANANAACCAANAAACAANANAG
ACNANAAGANGAANNCAANAANCNNAAAAACNNNANACHATNNCANANAANNNANAAAAAN
AAAAAAACANANAAAAANANAAAANANAAANNCAAAAANANAANANANAAAAANACANAAA
AGANNANAAAANAAATNAAAAAAAAAAA
Sequence 3909
TCGCCACCAACGCGCTCTCCCAACCCTCGGAGTCAGTTCCAAAACCAAACCAAAAAGGAG
GAGAGCAGACAAGGCTTCAGCTCTGCGACTGAGAACAGGGAGGCGGCACGCCTTGGGGAA
CCGAGGGCCCGAGGCCATACCGCGCTAATACAGGCCAGTGTCGGCGTAAACTTTCTCCGT
TACCGGCCCGNnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnNAnnnnnnnnnnnnnnnn
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TGTTATCnnnnnnnnnnnnnnnnnnnnnnnnnnTACGAGCCGnnnnnnnnnnnnnnnnnnnnnn
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CGCTTTTC
Sequence 3910
AGGTACATCTTTCCAAACTGGACATCAAGGAATTGCTACACAGAANAACCACATCCAGGA
TAGAAAGGACCAGCCAGAGCTCGTTCAGTNGTGTATTTNAGAATCATCAGGGAGGAGCCC
GGTAGCAGAATTATCCCGTTAACACTGANACCACATTTCACCTGTTACTTATTTTTCTAA
ATGGAGTAGGAGAGAAAGATGCTAAAATGTGATCTTGGGAGGAGTCCCCCAGTCCCCCGA
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TCANAACTGCCCATGTTAAAATAAACACAAGCTGCTTAAAAGTGAATGTTAAGAANGGAA
GGCACTGGTTAGTGGGTGGTCCTGACCAATCCCCTGGAGCTGGANAGGGGTTTTTCCNAC
NGGCCTTTGGTTTAATGTGTCTGTAAACTNCAACAAACCTNNCGTTTTCCCCTGAGGTAA
TTCTGCAAAAAACATCAGTTNTTCAGTCCCCAGANNACCATTTCCNTATTAAACCTNACC
CCCCGAAATCATTTCAATNGTAACATTTTGCCNTTATTTTTAGA
Sequence 3911
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TGGATTAAGGAAATAGTCAAAGGCAAGCAAGACAAACTCCCTAGGTTGTCTTGGTCATGC
GTCTTTTAAAAAGGGAAAGAAGAAAAACCACCACAACAGATAAAAGCACCGAGGCCTGGG
CTTGTGTCAGGAGCCAGAGAGGTCGTCCTTCCTTGAAATCCCGCGTACCT
Sequence 3912
TGGAGGGCCTGGCTGGGAGGTTTCACCCAGTGAGCAGAAATGTATCAGGGTCCCACTTAA
AGAAGCAGTCTCGCTATGATCTGGCAAATCCACTGTACCT
Sequence 3913
TAGTCCTCACAAACACAGAGGGCTCCGCACTCCGCATGTAGGTCCACATTTTATCAAACA
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CAATTTCTGTTTGCTTAGAAAGATCCTCAGCACTTTCGATGGGAGACACCATCCTCTCTA
CAGTCAGGAAGGCAGCTAAGTTAGCCGTGTAGGAGGAGATTATGATCAGGGTAAAGAACC
ACCACACACCTCCAACAATGCGCCCAGAGAGGGGATCTAATAACAAGTATGAAATGGATT
TGTAAAGTGAAATGAATGACCTAATAAAAAAACAAGTTAGCAGTATTATGCAAATATTGA

Table 1

CTTATAGGGGAATATTTAATTTTATATTTTTCAATGTATCTACTAGTTAATGAAACTGGA
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TCCAC
Sequence 3914
AGGTACCATAGCCAAATCTGGGACAAGCGAGTTTTTAAACAAAATGACTGAAGCACAGGA
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CCTTGTAGCAGATAAGGTTATTGTCACTTCAAAACACAACAACGATACCCAGCACATCTG
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GGGAACGACAATTACGTGAGTATGACCAATTCCTTATAAGAATTAATAGTCATGGTGAGG
ATCTTGACTCTCCAGTTCTATTCTCTGAGCAAATGACTTATTCTGGGCCTTAATTTTCCT
GCCTTATAAAATGAGGAAACAGAACTGTTGTCACTTGAAGAAATGTTTGAGGACCTGCAA
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Sequence 3915
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AGCTTCAGGCCTGGCACAGCTCGAAATAATTCCACTTCGTCGTCCCCGAACGGCTTGTGG
TCCTCCTTCCCAAACATGCTGAGGTAGGCGGCCTTCATGTAAATGTAGGTGGCCTTTTTA
AGTCAGATCATGTCAGTTCCTTCTGGAAATCTGGTTATATTCCATCACACTCAGGAGACA
TCTCCTACAATTTCCTTGACACCTGCAGCACTCCAGCCACACGACGGCCTCAGGGCCCCG
CGTACCT
Sequence 3916
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CTCTCCTTCTTTGGGGAGCCTCAGATGGGAAGGGACTCGAGCCCCACCTGTCCCTGGACT
CTGGAATGCCACGGAATTAACCCGAGCAGGCATGGAGGCCTCTGCTCTCACCTCATCAGC
AGTGACCAGTGTGGCCAAAGTGGTCAGGGTGGCCTCTGGCTCTGCCGTAGTTTTGCCCCT
GGGGGCTCACCGTGTGGGGGAGCAAATCATGTATATCCAGTGCTGTGAGTGGCTCCAGTC
ATGGAGGAGCAAGGATGAGTTCTGCCTGGAAGAATCTGGGAAGGCTTCCTGGAGGAGGGA
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TCATGTGGCATTCAAGCATTCTATAGTGCTTGCCGTGACTCAGGCGCACAGTGCAAAAGG
AAGCACATCTTTCTCTGCCATGAGGACTTATTAGTGTCTGAAGAGCTTTTTCTGGACTAT
AGGAGAAAGTCATGGNCTCCCTCACTAATAAACACTG
Sequence 3917
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ATATCAATCATTGGCATTCTTTGTTACTATTGGCTCAACACCGTGGCCCTGTCTGGTGAA
GAGTGTTGGGAAACCCTCATCGACCAGGACATCTACCGGCTCCTTCTGATGGATTTTGTG
TTCTCTTTAGTCAATTCCTTCCTGGGGGAGTTTCTGAGGAGAATCATTGGGATGCAACTG
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GCACAAACTCTGGTGTGGATTGGCATCTTCTTCTGTCCCCTGCTGCCCTTTATCCAAATG
ATTATGCTTTTCATCATGTTCTACTCCAAAAATATCAGCCTGATGATGAATTTCCAGCCT
CCGAGCAAAGCCTGGCGGGGCCTCACAGATGATGACTTTCTTCATCTTCTTGCTCTTTTTC
CCATCCTTCACCGGGGTC
Sequence 3918
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GCCCTGTAAGCATGTGTGGCCAGGCTAGGGCCATGGGAGAGGCAAGCAGACTAAGGAGTG
CTGCCATCAGACCAGCCCCATCTCATGTGCAAGACTGCCCAGCCTCCAGAGATCAGGTCT
CAGAGGAGAACTCTCTCAAAAGTGAACCCCTGGTCCGCCTCAGACACTCTGAAGCCCTAA
GGCTGAAATGCCTGGGTCGCCCAAACAGCAAAGATGACAATCTGGTCCTCCCCCTGGGAG
CTCTGACTCAGTGAGGCCTGAGACCTCTGTCGGCCAGAGAACAGCAGTCAAGGTAGCCAG
A

# Table 1

Sequence 3919
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ATGACCAGAAAGTTCAGATTGAGTCTAAAAATCACAGTAGAGGCTAACCCGTATTATTAT
TATTTAAACACAATTAAACATTTAAAGATGAGTTCTGGGGGAGTAATTACTCAGATGTTA
ACACTAGTGCCCATCAAAGAAGGATTTTTAAAAGATACATTTTCACATTTCATTTATTGT
AAAATCTTGATTGTGCTACTCTATTAATACCATGAATAATCTTAAGTAGCAGGTAAGCAA
ATAAAATACATAATTGTATTTTGGCTTATTCTGTGTAAGTTTACAAATCTGTTTACCTTA
TTCAACAACAAAATATTTATT

Sequence 3920
CGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAATGCCAGGAAGATGAAT
GTGCGTTAATGTTGCTGGAACATGGCACTGATCCAAACATTCCAGATGAGTATGGAAATA
CCACTCTACACTACGCTATCTACAATGAAGATAAATTAATGGCCAAAGCACTGCTCTTAT
ACGGTGCTGATATCGAATCAAAAAACAAGCATGGCCTCACACCACTGCTACTTGGTGTAC
GCGGGGAAATATCGCCATCGGCATTTCCCCCTACGTTNTTTGGGTGAGTGAATTTCAGCC
TGAGAGAGGAATAGTAAGATACAGTGAAAATGTGAATAGGATCATGTGTTCTTTTAATTT
GAATTATGTATTCTTTTTCTTCTATTTTCCAAACTC

Sequence 3921
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GAGACATGTCTTAAATTTTGGGAGTTCACAAGGGAAACAAGGGTAAGAATTAAACTTCAC
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AACTCCAATCTTCCAGCAGTTTTAGGCTGCAAAACCTTAGCTCCTCTCTGTCTTACACTT
CACATCCAATCTGTCACCTATTCAAAGTATCCCCCAAATCGAGCAATTTCTCACCATCTC
TTACTAATACACCTCAGGTCCAAACCACCAGTATACCTCCCTAGAGTACCTGCCCGGGCG
GCCGCTCTAGAACTAGTTGGATCCCCCGGGCTGCAGGGAATTCGATTATCAAGCTTATCG
ATACCCGTCGACCTCGAGGGGGGGGCCCGGTACCCANCTTTTTGTTNC

Sequence 3922
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GCCCTTTTCGCTGGGGGGGAGGGACTTGGAGCAGAGGCTGGGGCTGTGAAGGTGATGGGAT
CACCTCTGATGGTTAAACAAAGAGTACCTGCCCGGACCTGCCCG

Sequence 3923
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TCCACTCTCCTAATCATGATCTGTTCCCCCTCCTGGCCCAATAACTTAATGCTTGNAAAC
TGAGGTCCACCCATTTATGGAAGNNCTCTTTTAGTCCACAGGAGNTCCCTTNAACACCCC
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AAAAGNTGGNGATTTTNTTCTCANAATTTTTNACCAACCCAATTAANTGGCCCCCAATTAA
TTNTTTNTCAACCTTGGGAAAAATTCCACCCANNGNTGCCAANTACAATTTTTTNTAAATT
TTNGGGTAAAANAAATTNGGCCCAACANANCCTTTTTTTAA

Sequence 3924
CACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTCAGCTCCACCA
CGGTGCAGGACAGCTCCTCGTCCCGGAAGTAAGGTATAGTCAGGTGATGCAAACTCATCA
TGGGCACCATTACCCACTTTTTCTTGCTCAAGTAGAACCTTGACTGATGAGTATCTTGGG
GGTCAAAGGGCATCCCCCATTTGGCTTTAAAGAAGATGTAATTCACCAGGACCATCATTG
TCTGCGAGTCAAGGTCCTTGATCAAGATCTGTGATTTTCCCCCTAGTTCCATTCTTCACG

Table 1

TAGTCGTTGATGAGCTTCTTAGCTGCAGCTGAGTCCTGAAAGTCACCCGCGTACCTGCCC
GGGCGGCCCGCTCTAGAnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnGATACCCGTCGACCTCGGAGGGGGGGGGCCCCGGTACCCAGCTTTTTGTTTCCCTT
T

Sequence 3925

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AGNANTAAAGTGGAATCCCCNCGGTGCTTGTAAGCGNAATTCCTTATATCAANNGCNTNA
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ATTTCATNGGGNNNGCAATTAGGNATGGTTTGTCNCCTTGGTGGGGTGGAAAAAAATGTC
GTNTGATTNNCCGGCGTTCAACNAAAATCTCCCCAANNAACCAAANCCAANTAACCCNAA
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TTTNGCCCCTTAAAAT

Sequence 3926

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CACCCTGTCCTTGGCTGGCACGGCACACTTGGTTTTGCAAGACAGGCCCACGTACCTCGG
CCGCTCTAGAACTAGTnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
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TGCCTA

Sequence 3927

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CTTCTCACAACTTGATCAAAAATGGCCTCTAAGCCTAAGTCCACGGCATCCCCACAATGG
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TCCAAGTCCAATTTGTTCCTAGACTTCTTATAGCCAATTCTTTCAAGATATGCTTCAATG
TCCATGATCCCCTTTCTTAGTAAGTTGAAAGTAGGTTGATCTTCAGTTTTAATCCAGAAG
ACAGATTGCTGCTTCTTCCTGGCTTGAATTCAGGTTATTTCAGCCGGCAACCAGGNAACT
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CCGCTCTAAGAACTAGTGGGGATCCCCCGG

Sequence 3928

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CTGCCTAGGGCCTCTGCAGAGCCAGATCAACCCCACAGCCTGTGAGCCAGGCCTTAAGCT
GCCTATTTGTGCTGAAGCGGGCTGCAGAACGACCCGTGTTATCCACCCTGAGCACCACCA
ACACTAAGCACAAATGACAACACCATCTCACCTGAACCCTGTCCAACTCACAGCTGCCTC
ACTGGCCTTTGCCACTGCCCTCTCTGATGGAGCAAGGGTCTGGCCTTCCAAGCAAATGTC
AGCCTCAGATTCAAAAGACACATAGGAAGGAGCAACACCCAACACACTGAAAACTCCTGC
CCGATCCACAAAGACCCCAGTGCAAGCGATGGGCAGCATCAGATTGATGGGAAACCACCA
CCCTTTTCATTTTAGAATTTTT

Sequence 3929

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TTTTTTTTTTGCACGCCCCAAAGGGGCAAAAAGAGACTTTAATTAGGGGAGGGAGGATCC
ACCANAATCAGAAAAGGGACAGCTAGCGTGGGAGCAGAGGAGCCAGAACAGGCAGGAGGA
GGGCCCGGCCAGGAAGCTNTNGANGGACTTAACCTTTGCCCACCTTTGGCACAAGGCACT
TGACACTGACGGACAAGGCGAAACAGCGGCCCCTNTCAACTGGGAGGGCACCCAATGGCC

## Table 1

CCCCCGCGTACCTGCCCGnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn
nnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnCGACCTCGAGGGGGGGGGCCCCGGTACCCAGCTT
TTTGTTCCCTTTAGT
Sequence 3930
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TCTGTCGAGAAATGTCCATGGCGCTTTTATCGAACCTTGCCCAAGGGGACGCACTAGCAG
CAAGGGCCATAGCTGTGCAGAAAGGAAGCATTGGAAACTTGATAAGCTTCCTAGAGGATG
GGGTCACGATGGCCCAAGTACCCTGCCCGGGCGGCCGCTCCTAGAAACTAGTGGGATCCC
CCGGGCTGCAGGN
Sequence 3931
CACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCCGCCCGGGCAGGTACGCGGGGGCA
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CTTGCTGCTGCTCACTCTTTGGGTCCACACTGCCTTTATGAGCTGTAACACCGCGAAGGT
CCACAGCTTCACTCCTGNGCCATCGAGAACCACGANCCCCCACCANAAAGGAAGAATCTG
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ATTCCAGACACATTT
Sequence 3932
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GGGGGGCC
Sequence 3933
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AAANTTAAGGGGGGGAACCCAAAAAAAAACCCTTTTTGGGGGNAAAGNAAAGGNTTAATTTG
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Sequence 3934
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CTNAAAAANATTGGNANGGGGGCCCAACCCTTGGTTTNTTTTTGGGGCCCTTNGGGGGGAA
NCCTTTGGTCCTTANNTTAAAAAAAAAAAAAAAAANATTTTAACCCCCAATTTANGGGNAA
CCCCCANNTTTTTGGGAACCTTTAAAANAACCCCCCACCNANAAAANCCAATTTTTTTTCN
CCCTTTTTCCTTTNCAACCNAAGNTTTTTNCTTTGGGGNAAAAAAANGGTTTTTGGNGGAA

# Table 1

AAAAAAGNCCCCCCANAANATAATTTGGTAAGGGGGTAATTGGCCCCCAAAGTCTTTAAT
TTGGGGGCCTT
Sequence 3935
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AATGATTGGAGGGCTATATGATCCAGCATTAGCTTCCTGGTGNGCCCAAGCCATGCNTTG
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AACNCTTGAAATTCCCAGGGGGCC
Sequence 3936
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GCCTGTTTCCTGTGTGGAAATTGTTATCC
Sequence 3937
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GNAACCTTTGCCTCCCGGGCTCAAGCGATTNTCCTGCCTCAACCTCCCAAGTAGCTGGGA
TTACAGGCATGTGCCACCATGCCCAGCCAATTTTTGCATTTTTAGTAGAGGNGAGGTTTC
AGCATGGTTGGCCAAGGCCTTGGTCCCGGAACCCCCCGGACCTTTGTCATCCTCCCACCC
TTTGGGCCTTCCCAAAAGNTGGCTGGGGGATTAACAAGGGCGCCGGAGCCCAACNCACGG
GGNCCGGGGC
Sequence 3938
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CAGTGGAAATTTCAGTTATTTTCCACAGTATTCCATTTTGGAGGATTTGGGGTGTTTACT
TTTTAAATTCTTGAACAACTTAACCTCCATGAGGCTTTGTGAAGTCAGCTGTGACCACCC
TCCTCTTACTGTGTTCTCAGTATTCATTCACTTCCAGGGAAGAATGACAGCCACAGGGAG
ATGGTGGTGGGCAAGAATGAGAGTCCCAGGATCCAGATTTAGCCTCAGATCTTCCCCATT
CAGGAAGGGTTTTCCATTTAACAAGAGCACTAGTATGAAAACATTAGGGACAAATCTCCC
ATGTCTTTGAAATTCGGATTCTCCTCTTGAGATCCCCTTCCTCACCTGCCAATCAACTTT
ATAAGGCCACAAGTGGTCACTGGTTTTCCTTCCACAGGTTTTGAGGNTCTTCAGCTTTCC
TTA
Sequence 3939
NCGCGGTGGCGGCNCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TANCAGTCGGNTTCGCAAGCNNTGGTTTCCTGGATCTCACANAACNGTTGGGNCTTTTNA
ACCTGATAGCACNTTNCAATNGCGTTTAGTTATCCAGTGCTGNGCNNNNGNANAAATACC
ATTCNTCNATTCATTNATTTANCTCNTATCAANTTTNTTTTTTTCCCCTTTTNAAANNNG
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NTTNCCCCCTTCGGCCCNCNACAANACAGTATTTTTAATTANCAAGCNNCTCNTTGTTNC
NNAAAANAANAANNCANACTCCCTTATTNCCTNTTGTGGNTATNATNTTTCTAGTTANCAN
NCATTGNNNGCCGTNTTCTNANATTNACTNTTCAGACTCTTGTTTCCNNGTTAACACGNG
ATATAATACTTTTNTNCAATTTTTT
Sequence 3940

## Table 1

CTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCAGATGGAAAATGTTTTT
GGTGATCTGGCTGCTGCTTAAAGCCAGTTTTCCCTAAGAACTCCAAAGGCTAAAGTCTAC
TAGGGGCAGAGTGTGAGGATAGATTTCTAATCAGAGAAAAGTGGCCTCCAGGAGCTTTCA
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ACAGGTGAAGTTCTTCCAGCCCACAGAGGTAGTAATATCATCTTTTCTATCTCCTCCTCT
CCTTTGGCCATGTAATGAAGCAAAATATTATTTATTTAGCCCAGGCTTGAGAGCCACTGT
TTGTGGGACAGTCTTCATCTAGATTCCATACCCTGGCCTAGGCCGAGGTAAGGGCTCTCT
GGTTATTGCCAGGATGGGA
Sequence 3941
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TGCTGGAGACGTTGCATTTGTGAAAAGAATGTTCACTTGTCTTTGCAGAAACACTGATGG
AAATAACAATGAGGCATGGGCTAAGGATTTGAAGCTGGCAGACTTTGCGCTGCTGTGCCT
CGATGGCAAACGGAAGCCTGTGACTGAGGCTAGAAGCTGCCATCTTGCCATGGCCCCGAA
TCATGCCGTGGTGTCTCGGATGGGATAAGGTGGGAACGCCTGGAAACAAGGGTGTTGCTC
CACCCGGACAGGGCTAAATTTGGGGAGNAAAT
Sequence 3942
CCGCGGTGGCGGCCGCCCGGGCACGGTACACGTAAAAGCTTGGCTAAGCAGACGCATCAG
GAGCAAACCATTTGTGTTCACCAATCTGTCTCGGCAAGTCCCAGGGCCACTATCTTGCTA
GAAGCCACTGTGTGCTTTTGAAAGCATGAAATTAGTTTTATACTGAGCACATGGTTTCTC
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G
Sequence 3943
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Sequence 3944
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CGTGAGTGAGCATGGAAGTCAAGCCATGCAATGACTGTCACTCTGGCTAGCACCTTGATT
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TTCTTACAGGACAATCTTATTCTAATCAATAACATTTGCTTTTAAGGCAGATAATCCTCC
AAGGTT
Sequence 3945
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TTCAGAAAGAAAAAAGGAAGACATTGAGGACGTAACACCTGTGTTCCCCCAGCTTTCCAG
GTCCATCATCTCTAAATTGGCTAAATGAATCAGAAACAAAGGTCCAGAAAACTGAGATAG

## Table 1

AAGATGCAGATATGCTTGAGAGTGAAGAATGTGAAGCTTCTAAAGGCTACTATCTCACTA
AAGCCTTGACTGGACATAACATGTCAGAAGCTCTTGTCACTGAAGCAGAGAATATGAAAT
GCCTTCAATTTTTCCAAGNGACGTTATTATTTAGTGACACAAAAGACTATTTTATGTCGA
AGACTTCTTGCCATT
Sequence 3946
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GTTTCTCGGTCATGCGGTTATGTCTTCAACACCTGCGTCCCCCACCGGAGGCCAGCTCCC
AGGGCGCGTTCTAGTGTGTGGCGTTCGCTTCATATTCCCAGGCGTCGCTTGCCCCAGCAC
GCCTGTGTGCTCAGTAACAATGTGTTAAGCACAGGATTTTGGGAGAAGTGTATATGGACG
TCTGAAGAAGGGTTGTGCTTGTGGAAGAGCCCCGCGTACCT
Sequence 3947
CCGGGCAGGTNCGCNGGGAGATCANTGATAGCACTAGATACTCATTGGAGCATGAACCCT
GNNGTGAACTGCTCATCTGAGGGATCTANGTTGTGTGCTTCATATGAGAATCTAATGCCT
GATGATATGTCACTGNCTCACTTTGCCCCCAGATGAGACCATCTAGTTGCAGAAAAATAA
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GCTAATACCTAGAATTACCAAAAC
Sequence 3948
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GAGTCTATATGTCAGAATACACATTTCCCACCTTGCCCAACAGTAGAAAAACATAAGAAG
AGAAAAACATTAAAAAATGACAAGGAAGTTAATGGAAGTCAGCAATGTGATGGTGTTTGG
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TCACTAGAAGCTAGCCATACTGGCATCCTCATCTTGGCTTTCCAACTTCCAGAACTGTGA
GAAGTATATGTTTGTGGTTTAGTCAATGGTCTATGGTAATTTTTTTTATAGCAGTCCCAGC
CAAGACAGTGCCTCATTTACTATATACCATTTATATTATTA
Sequence 3949
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ACCGAAAAAGTAGGANTTGAGGTGAGGTNAAAGAAGTNCTNGGGGTGAAAATGTCCCCTT
TCCCCCT
Sequence 3950
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CAATTTCTGTTTGCTTAGAAAGATCCTCAGCACTTTCGATGGGAGACACCATCCTCTCTA
CAGTCAGGAAGGCAGCTAAGTTAGCCGTGTAGGAGGAGATTATGATCAGGGTAAAGAACC

## Table 1

ACCACACACCTCCAACAATGCGCCCAGAGAGGGATCTAATAACAAGTATGAAATGGATTT
GTAAAGTGAAATGAATGACCTAATAAAAAAACAAGTTAGCAGTATTATGCAAATATTGAC
TTATAGGGGAATATTTAATTTTATATTTTTCAATGTATCTACTAGTTAATGAAACTGGAA
ATCATTAAACATTTTGGGCAAGGAGTACCT
Sequence 3951
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GCAAACCATTGCANACAAATGATCATGATCAGGAGCATTTTTTTTGTTGTCTGGATAGAA
CTTACGTTCTTCAGAATTCAATGCTNCCCTCCATTCGGGGACATGGGACTGGAGTTATTN
A
Sequence 3952
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GTGANATGAAANTTATCCATGCTGTCCNTNAAACTGAGTGTGCGGACACTGAGGAANGCT
TNGANCAATTGAGTTTTTNATCACACGACTTNTTTGTAATGCTTGTACCTCTG
Sequence 3953
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AATTGCAATAAAAAGACGGCCCACAGCAGGCTGCATTCCCATGGCTGGCCAGAGGAGGAA
CGCTTTGTGTTCTCATCGGAGCTGCATGGGAAGTCTGCATACAGCAAAGTGACCTGCATG
CCTCACCTTATGGAAAGGATGGTGGGCTCTGGCCTCCTGTGGCTGGCCTTGGTCTCCTGC
ATTCTGACCCAGGCATCTGCAGTGCAGCGAGACCCATCCACTGTGGAGGACAAGTGTGAG
AAGGCCTGCCGCCCCGAGGAGGAGTGCCTTGCCCTCAACAGCACCTGGGGCTGTTTCTGC
AGACAGGACCTCAATAGTTCTGATGTCCACAGTTTGCAGCCTCAGCTAGACTGTGGGCCC
AGGGAGATCAAGGTGAGGGTCGACAAATGTTTGCTGGGAGGCCTGGGTTTGGGGGAGGAG
GT
Sequence 3954
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AATGGAGTCACTTATGCCAAACTCTAATAAAATGGAGTCGGGGGGGCCACATAGAAGCCCT
CACACACACATGCCCGTAACAGGATTTACCACAAGACACGCCTGCATGTAGACCANACAC
AGGGCGTATGGAAAGCACGTCCTCAAGACTGTAGTATTCCAGATGAGCTGCAGATGCTTA
CCTACCA
Sequence 3955
ANGTNCNCTGGGNATTTAANTATAANTATACTGCCTGCCTATGNGACGACAATCCAAAAA
CCTTCTACTGGGACTTTTACACCAACAGAACTGTGCAAATTGCAGCCGTNNTTGATGTTA
TTCGGGAATTAGGCATCTGCCCTGATGATGCTGCTGTAATCCCCATCAAAAACAACCGGT
TTTATACTATTGAAATCCTAAAGGTANAATAATGGAAAGCCCTGTCTGTTTGCCACACCC
ANGTGATTTCCTCTAAAGAAACTTGGCTGGAATTTCTGCTGTGGGCTATAAAATAAACTT
CTTAACATGCAGTTNNNNNNNNNNNAANNNNATTNNTTTTTTTTTTTTTTTTNNNNNNNNC
CNNGNGNGNNANANAANAANAAAAATTAANNCNCCCCCNNNNGGNANAAAAAAAAAANAATTT
TTTTTTTNGNCTNNNGGGGGGGGGGGGGGGGGGGGGGGNNTTTTTTTTTTTTTTTT
Sequence 3956
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AGCCGCATTACACACACCAGGCACATCTTCTCTTTCACAGAGCTTATCAGGATGGTATCT
CCTTTTGGCTTAAACCAACCACCTTGTGTTTATAAATAACCCCCCCACCCCAGTGCCTGA
ATTCATCCACATCTTCTGCCTTCATAGGCAGCCTCCCCTTGGCTCCAGTTCCAGCAGGAC
AGGCCTTCCTCTGAAAGGAAGCCTGGGGCAGTGAGGCCACACTAGTCAAGCGTTCGGCCT
CCCTACACCAATCCCAGCTGGGCTCCTAGTTGCCTANCACCTTTGCACTCAAGAAAGTTA

## Table 1

TATTGNTTTTCTCTCTCTNGCTCATTTCTTGCCAGTATTCTGCCTTTTCATAACATTTAT
GCCAACAAGATATCTGGTCACCCGCGTACCTGCCCGGGCGGCCGCTCTAGAACTA
Sequence 3957
NGATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTCCTGTAATTGACAGCCTTGCCTTG
TTCCTCATGGCATCATTCAAGGTCATCTTAAATGAGAGAGGAGGGAAAGAAAGAAAAAGA
AATCATACGTTATGGTTTTTCAAATGCATCCAGAGGAAAGGCAGGGTTGTTTTTGAAAAGT
TTACTTCTATCTGAAAGCTTCTAGCAAATGAAAGCAAACAGTGCAAAGCTGAACTACAAA
TAATAAAGCACAATTATGGCAGGAATCTGTCCACATTCACCCAAGCTACTGTGCCATTAA
AGAGGAAAATAGACAGTTGAGCTGCATGTTAGTCACCAACTGGGAACATGGAAGAACGTC
CCAATACATACAGGATGATCCATTGGCCACCTTCCTTATTTAAAAGAGCTTAAGGACACA
ACAAGAANGCTNAACGTGCACTAAAAAGTTTGTATTAGAGCCTCGTTCCTACCCCCTAAA
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AATTCTGCGAGGAAGATGGGTTAATATTCTGTGCATTCTTTGCCCCTTCTTCGTTTCGCC
TCGCCCTTGACTTGTACAGAACTCAATCAAAGCCCCACATTGGCNAACCA
Sequence 3958
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AGTTTTCATTGAAATAATTTGGAAGAAGAGCAATTGGATAGAATGTCAAGACATAACAGA
GTCAAGGGAAAGCATTATTTTGATTTTATATCTGAGTATGTTTTTAGCCAGAAGAGGAGA
AGAAAGAGGTTAAAAAGAAAAAACAGAATTTATAGATGCACGATATTACTTCTGAACAAG
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GGGGGGAAGAAGCTATGAACTTAATTTTGAGGTTTCTGAGAAGGAAACTTGAGTGAATTC
ACTTCAGATGCATTTGGAATGTTTGCACTCCAGAAGATGAGTTTGTGTGTGCTCTGGAGA
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TCTGTTACTTTCAGGATTCATAGAGAGATGTTTTGTTGATATTATTTATTTAAGTGAGAT
AAATTTGAATATGAATCCATTGGCTTTTTTTGT
Sequence 3959
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ATTCTTACCAAGAGTGGGCTTTGTGGAAACAGCTGGTACGCGGGGGGCAGACGCGCGGGCG
GGAAGATGGCGGCTGGGTTCAAAACCGTGGAACCTCTGGAGTATTACAGGAGATTTCTGA
AAGAGAACTGCCGTCCTGATGGAAGAGAACTTGGTGAATTCAGAACCACAACTGTCAACA
TCGGTTCAATTAGTACCTGCCCG
Sequence 3960
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CATTATGTGGATAATCAGGACTGTATAGATTTAATTGAAGCCAAATTAGTGGGAATACTG
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GCTATGAAACAACCCAGTTTGTGGAGAAAAATAATGATGCTTTACATATGTCTCTTGAAT
CCTTAATATGTGAATCCAGAAATAAGTTTATACGGGAATTATTTGAATCATCCCCAAATT
ACAAAAAAAAAAAAAA
Sequence 3961
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TTTCCAAGGGAAGAGGGCAAAAAGTGGCCTGGGCTCTGTGGTGTGCGTGTTCCGTGGCGG
AGAGAAGAAAATGGGAAAGACATCTCACTGGTGCTTTTCTCTTTTGTTTTAGTGCCCCCC
GCCCCCATCCCTATAATATCTGTAACTACTCCTAAAAAGGTTTTGATTCAGGCTTTTTTT
TGGTTTCATTTTGTTTTTTTTANGAAAAAGAANAANANNNAAAAAAAAAAAAAAAANGGGCCCC

# Table 1

CCNNCCCNTTNAAAAAANNGGGGGGCCCCCCGGNNNNGGNNANTTTTTTTTNAAANTTTTTTT
NNCCCCCCCCCCCC

Sequence 3962
NTGGATCCCCNGNGNTGCAGGAATTNCATATCAANCTTATNNATACCNACCACCTATANG
GGGGGCCNNGTNCCCANCTTNNGNTCCNTNTAGNGANGGTTAATTNCGCNCTGGGCGTAA
TNATGCGNCATANCATGCTCACTGTGTGACTGCAGCTCAATCTCAAGACCCTGAAGGGTG
CGCCGCAGGTCAGTAACCTCGGACCTGCTCATCTGGAGCTGCTCCGTGTGGCCAGCGACC
TCCCGGTTCAATTCTTCAGTCCGGCTGGTGAACCAGGCTTCAGCATCCTTCCGGTTCTGC
TCGGCCATGACCTCATATTGGCTTCGCATGTCACTCAGGATCTTGGCGAGATCGGTGCCC
GGAGCGGAATCCACCTTCACCCGCGTACCTGCCCG

Sequence 3963
NGCTGNCTGCTGGGGCCAAGATATTATTTTTAACTAGCTGCTGNGCTTTTATCACTTTGA
ACCTAGAATTTAAATCCCTCTGCCCAGATTNATTTTTTAACAACCAACATTGGNAGGCAG
GGGAACAAAGACTATTCCCCAGAGAAGATCACTTGGTTAAAGGTTAAAAAAAAAAAAAAA

0

Sequence 3964
TAAAACTTGCAGCAATGTGAATTGGGCCAGAAGATCAGAGTGTAATATGTGTAATACTCC
AAAGTATGCTAAATTAGAAGAAAGAACAGGATATGGTGGTGGTTTTAATGAAAAAAAAAA
AAAAAAAAAAAAAAAAANCCCCCNNCCCCCNTTAAAAAAANTNGNNCCCCCCNNNNCCNNNNN
ANTTNNNNNNNNNCNTTTTTNNNCCCCCCCCCCCCNGGGGGG

Sequence 3965
AGGTACACATCAAGTCAGAATGGGCTAGCCCATCAGGGAAGCAGCGGTAGAAGAAATCTG
GGCGTGGCTTTTTAGGGCAAACAGCAAATGACACTGCAGCTTCAGGAGGTGCTCAAGAGG
ACACTGACCGACTGCTGTGGCCGTTGGTGGGAAATGCTGTTCAGGCAGAAAAGCGCCCAG
GTGTCACCTGGAGGACTGAGGTATGGGGAAGGGAGTAAGCGTTGAATGACAAAAGAAAAA
TCAGAGTGAAGATAAAGGAGAAAAGAATGAGAACCCGCGTACCTGCCCG

Sequence 3966
CGCCCGGGCAGGTACAGTGGCACAATCATAGCTTAGTGCAGCCTCATTCTCTTGGGCACA
AGCGCTCCTCAGCCTCCCTCCTCAGCCTCCCAGTTGCTGGAACTTACAGGTGCACCACCA
TAACCAGCTAGTTTTATTTTTTGTAGAGACAGAAGTCTCACTTTTTTTCCTAGACTTGTC
TGAAATAGACCATTCTATTTGCTAGAATGGTCTCAAACCATCCTTCTGCCTCAGCCTCCC
AAATTGCTGGAATTTCAGGCATAATTCATCATGCCTAGCCATTTCTTTTTTCTGCTGCAT
TGTAGAGTTAGAACCAATTTCATTTGTCCTGCACTGAGAATGTGCATTCCCAAGCAGATC
ATGGTTGAGCTCAACACACCTGCAACTTAAGCAGCCTCTTTGAAGGGTGCACAGTTACTA
ACTGTCAAGCGTTGCACAAGCACCTTTAGCANGTATGTTCAGAACTTTACATTTCCACCC
TTTTTTAAACAGCTTACAAGTAACCAGAAGAACGGGGANTTAAACTTTTGGACATGCACA
CTCATTGAAAACCCAATGGATTTTGGGAAAGCCCAAATTGGTGGAAAAAAAAAAAGGGGG
GGGATTCTGACTACTAAGTATTTTTTTACAAAATCTTGAATGGGCNGTTNGCANGGGTTTT
GGTTTAATTTTTGGTGG

Sequence 3967
NCNGGNANGTACGCTNCCCANGNNNAGCGTGNNNGCANTNTAAGCCNNNTACTTACATCC
CACCNAGNGGNNNGNCCCCNTGNNNNCTTCTNNGATAATTGNGGNNAGNTTNNTTNATAT
CTACCAGNAANCNTNNNCNTNGCNTNCTCTGNATCCACTGCTTAAATACGGACGAGGACA
GGGCCCTGTCTCCTCAGCTTCAGGCACCACCACTGACCTGGGACAGTGAATCNACAATGC
CGTCTTCTGTCTCGTGGGGCATNCTCCTGCTGGCAGGCCTGTGCTGCCTGGTCCCTGTCT
CCCTGGCTGAGGATCCCCAGGGAGATGCTGCCCANAAGACAGATACNTCCCACCATGATC
AGGATCACCCAACCTTNAACAAGATCACCCCCCA

Sequence 3968
GCNNATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGAGAAGTAGTCCTATTTCAC

## Table 1

CCCAACTACAACATTAATCGAGCGGCCGCCCGGGCAGGTACTTGGTAAAGATGGTAAAGA
AAAACCAAAGGAAGAGCGGCCAAATAAAGATGAAAAAGCAAGAGAGACCANGGAAAGAGC
GCCGAAGTCTGACAAAGAGAAAGAAAAATTCAAGAAGGAAGAAAAAGCTAAAGATGAGAA
ATTTAAGACCACTGTCCCCAACGCAGAATCAAAATCAACTCANGAAAGGGAAAGAGAGAA
GGAGCCATCCAGAGAAAGAGATATNGCAAAGGAAATGAAATCAAAGGAAAATGTTTAAGG
AGGAGAAAAACACCCNGTTTCTGGGTC
Sequence 3969
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CAATTTCTGTTTGCTTAGAAAGATCCTCAGCACTTTCGATGGGAGACACCATCCTCTCTA
CAGTCAGGAAGGCAGCTAAGTTAGCCGTGTAGGAGGAGATTATGATCAGGGTAAAGAACC
ACCACACACCTCCAACAATGCGCCCAGAGAGGGATCTAATAACAAGTATGAAATGGATTT
GTAAAGTGAAATGAATGACCTAATAAAAAAACAAGTTAGCAGTATTATGCAAATATTGAC
TTATAGGGGAATATTTAATTTTATATTTTTCAATGTATCTACTAGTTAATGAAACTGGAA
ATCATTAAACATTTTGG
Sequence 3970
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CANCAGTTCTCCTTGCTGAGCAGGTCGGCGTANAAGTAGGACATCTTCCACTGGCCCTTG
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ATTTTAAAATACCCCCCCC
Sequence 3971
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GTCTGACCAACATGGTGAAACCCTGTCTCTGCTAAAAATACACAAAAAAATTAGTCAGGC
CTGGGAGCAGGCGCCTGTAGTCCCAACAACTTGGGAGGCTGAGACAGGAGAATAGCTTGA
ACCTGGGAGACGGAGGTTGCAGTGAGCTTAGATTGTGCCACTGCACTCCAGCCTGGGCAA
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TAACTCCTTAAATGTAATTCCTAGTTCTTCTATCACCTTTAGCCGACTCTTCTACCTTCA
GAGTGGACACTGCTGTTATCAAGCANANAGTGCCGATCTTACTCAAGTACCT
Sequence 3972
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NACCAACANTGGAAGGAGNGNGCCNANCACNCCNGATCATNGNTANNNANCANANTGTNT
ACNTNGCCCNCTTNAAGAACTGNTNNACTTACTNGGAGTGTGCGCGGCTTCATTCTTGAA
GTCAGTGAGACGAAGAACCCACCAACTCCAGACACATTTTGGCGACCTAGATGGGACAAT
CGCCTATCACCGAGTGGTGAGACCATCGCCTATAGCTGAGCGGCGAGGCAATCACCTATC
GCCAAGCAGCTCCAGAAGCAGATGAGCAGATGAGGAGACGCCTCTATTCCGTGTCGTTTA
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GCAGAGAAAGAGAGAAGAGGAACA
Sequence 3973
TGTCCCCCCTGGTGGGGGATTGGGGATCTGTGTTTAGCCATTTATATCTACTTTAGCTGT
TAAAGAGGTCCAAATGAAAATCAGGTGATTGTGGAACCATGGGGACTTGGGGGTGGGGCA
GAGGTGGGAACATTTGTATCANTTGAGTCANCTTGGTGGCTCCCTGTGGAGCCAGGGCTG
AGCCTTGTCACGCGCACTCNCCAATTAAGAGATGGACCANCCAGCAGTCAAGTGCATTCT
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TCTCTTTTTCTCCCCCCCCGCCTGGATCCTGCCTCGCGCGGGCCGTCCTGTTGCTGAGACT
CGGGGTACCT

## Table 1

Sequence 3974
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CTTTGTAAGGCCAGGCAAAAATGGCTTGCTAGGGGACCCAGTGATCTCCCAGGGCTTTTT
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AGATCAAAATCTTCTCTTTTAATCTAAGCCTTCAGCTTCCCCAGTGGGGGTGTGTGTTCA
GGGGCAGATAATCTCCCTTTCCCACTTCCACAGTTTGGGCACTCACAGTATTTGGGGTGT
CTCCTGGGTCCTGCAGGAGCAATCTGCTTCCTTCAGGGGTCTATGGATCTTTTTCAGGTTT
GCTGCAGTCATTTTCTGCAGGATTTATTCCAGTCATTCTGGAGCAAAAATGCACGAAGCA
AGCCTCCACACGTTGCTCTGTCCATCTGAATCGGAGCTGCAATCTTGTCTTACTTCTAGT
TCGCCATAATCCACTGCCCTCGAAGGTTTCTT

Sequence 3975
AATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTTGGTTCAGTCCAGTAAGGTGGGACA
ACCCTTAAGTGGGGGCTTCCTGGTTGTAGTAGATAAGAGACAAAAGGTTGCATTCTTTTG
AGTTCTTGATCAGCCTTCCACTGAACACACAATTTAGTCTGGCTCAGTGAGTCTGCATTT
TTACAGAAGCGATAGGGGAAAGGAAGCAATCAGCTATGCAGGTGAGCCTCAGGGGGATGA
CTGTGAATAGAATGGGAGGCAGCTTTGCCCTAAGCAGTTCCCAGCTTGACTTTTTTCCTTT
AGCTTGGTGATTGTGGAGTCTCAAGATTTGTTTTCTTTCCACAATCTGAAATTCAAAGTT
CCCTGGGTATCCTGTATTTTTCATTTGTACACTTTGGCGCCCTAGTCCCAGAGTCCTGGAG
CGGCATAC

Sequence 3976
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GCGGGCATATTTTGGCTTGTGAATTGACTGTTATGTCTCAAGGTAGTCTCTTGGTGGGAG
AGAGTTCTGCTCTGTAGCGTCTAACTAAGAGCACATAGTTAGATGAACTTGCCCTGTTGG
GAGTGTCTGGTGAAGGGGAGATAAAAGATTATAATTGCATTTCTAAAGAGCTAAGTAGGA
AGCANAGAAAAGGAGAGAGAAGTGAAGACAGAATAATTTTAAATAATGAAGAGAGAAATG
AAGAAGGAATAATTTTCCTGCTTTTCCATTG

Sequence 3977
TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGTCGGCCCTCATTATTC
ATGGATTCTGTATTTGCAAATTCGCTGACTTACTGACGTTTATTTGTAACCTTCGAGTCA
ACACTCACGGTGCTTTCTCAGTCCTTTGCAGACGTGTGGAATGGAAAAAAATTTGAGTTA
TATGACGTATATGTTCCCAGCTGAGGCTGAGCAAGGCTCACTTCTCCTTGCAGCCCTCAG
ACTATAAACAAGTGTCCCTCTTGCTATCTACTTCGTGTTATGATTTTTGCATTTTCATAA
TCCCTGTTGATGATTTTGCTGTTTAAAATGGCCCCTAAGCACGGTCCTGAAGTACCTGCC
CGGGCGGCCGCTCTAGAACTA

Sequence 3978
ATGTACACANNGCNCATTAATCTNTCNNGTGTGNCATGTATCAATCATNTATAAGATCCC
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CCNTNCTNGCTTTANTTCANTTAACTNGATNCNGTANATGCATGACCATTTGATCGCACC
ACTCCTTCAGGAATCCAGGACTTGTCCACACACCGTTCCATTCCCCGCGTACCTGCCCG

Sequence 3979
TGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGAGTGGCAACCTGCTTGGGTCCCTT
TCCACACCGCGGAAGCTTTGTTCTTTTGCTCTTTGCAATAAATCTTGCTGCTGCTCACTC
TTTGGGTCCACACTGCCTTTATGAGCTGTAACACCGCGAAGGTCCACAGCTTCACTCCTG
AGCCAGCGAGACCACGAACCCCACCAGAAGGAAGAATCTGTGAACACATCCGAACATCAG
AAGGAACAAACTCTAGACATGCCGCCTTTAAGAACTGCAACACTCACTGCGAGTGTCCGC
GGCTTCATTCTTGAAGTCAGTGAGACGAAGAACCCACCAATTCCAGACACATTTTGGCGA
CCTAGATGGGACAATCGCCTATCACCGAGTGGTGAGACCATCGCCTATAGCTGAGCGGCG
AGACAATCACCTATCGCCAAGCAACAAGCAGATGAATGGTGAAACGATACAGCNGAGAAA

Table 1

GAGAGAAAGAGGAACATTTGAACGCCGAGAGGAGTTCAACCCAAGGTGGTCCGAGAAGGT
TGGCCNCCCAACAGGAAGAATATCTTCCGTGCCATNCCCGCTTTCAGCTNTTGCTTCCTT
CCTTAAGAAGAACCACCTCCCCACTCAATNAAANCCTTGCATTCAACCTTCCANNNNNNA
ANNNNNNNNNNNNNNNNAAANTNCCCGCCGGGGGGGGGCTTTTNAAAAAAAGNGGAACCCCC
CGGGGGGGGGGGAANTTNNTNNNANNTTTTTTTNCCCCCCCCCCCC
Sequence 3980

CCGCGGTGGCGGCCGNCCGGNCNGGTACACCACACAATGGTGACACAGNCTANTGTGTGG
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AAANTGTNTCTCAGGGNTNTTCNTTATCNACAGAAACANAANNGAATTACNNNTNCTANT
TCCTGTCTCANACTGNNNCTTTATGACTNTAAATANATAAANNATCAGATNGNNAGCATN
NATATTTTNNCTTAGCNCCTATTGCNAAATGCATTATCACTACTGACNTTTTCTTTCTAT
GCCCTGNTCCCAAANANAAACTTANCACTTACATGCTCNCCACTAGCAGAAAGGGATTNN
CAGGGACCAGAATCTCAGAGAAAAGGAGGGTTCATTCAAACATACTGGTGCTGAATCCTT
GCAGCTGAAAATTATCTTGCAAANTTATATGCTGGCCCTTCATTTAAAATG
Sequence 3981

GCGGCCGAGGTACCATCGGACCCCTTTCGCTTGCTATTCTGTCCTGTCTTTGCTTAGAGT
TCGGGGGCTAAATACTGGGCACCTGTCGGCCAGTTAAAAGTGACTAGCGCGGCTGCCGGA
CTAAAGACAAGGGTGTCAGGCTTTCTGGGAAAGGGCTTTCTAACAACTCCCGACTCTTCG
GTGTTGAGGCCATTGGTTTGCCTAGAACCAGCTTTTGCTTTTCCTGTACCTGCCCG
Sequence 3982

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TCACCTTTCAGGGAGCGACCTGGGCAAAGACAGAGAAGCTCCCAGAAGGAGAGATTGATC
CGTGTCTGTTTGTAGGACGGAGAAACCGCTTGGGTAACTTGTTCAAGATATGATGCATGT
TGCTTTCTAAGAAAGCCCTGTATTTTGTGATTGCCTTTTTTTTTTTTTTTTAAGATGCTTTC
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ATAATAACAACAAAATTCTTCCCAGGAACTCTGCTGGAAGGTAAATTAAAATACTTGTTT
TTCCATTGGTAAAATATTGTTGCACTCTGTGAACCAAAAGACAGTCTAAGTTGGAGGACA
TANAACGGAACTCAT
Sequence 3983

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GGGCAAGATTTGATTGATTTCATACANAGGCTTGAGGAGGCGGTGATTGATATACATAGG
GCCCGGGGGATTGGTTTAACCAGGTATACTACTTACATAGCCGGTGAAAAGACTGGCCCTC
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ACACGTGGCTTCACTTCACCAGTGCCATGTNACCCACACACCTGGTGACAAGGAAAAGGG
AGCAGGAATCACCATATTGAATGTGCCTGGCTTCCAAGTA
Sequence 3984

CGGTGGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAAAAAAT
NAAATTTATTGCCTTGTGGGGGGGAAGGGATGTGGTCACCTGNCTACTCCATTCACACCTA
CCTGTGGCTTCTCCAGTGATGGACCANATACTCAAGGAG
Sequence 3985

CCGNGGTGGCGGCCGAGGTACGCGGGGGTTGTGACTAGGAAAGGCATGGGACGACATGTG
TCCCAGGTGAGGTATGTGCCACAGGCAGTTACGGATGTGTTGGAGGAGGAAATTCCAGGA
AGGGGCAAGATCTGGAACGAAGGCTGGAGGGAGGTTCCCCTNAAGGATGCTAAGGAATAC
GCTGAATCCATAGGTGCCATCGTGGTTGAGACAAGTGCAAAAAATGCTATTAATATCGAA
GAGCTTTTTCAAGGAATCAGCCGCCAGATCCCACCCTTGGACCCCCATGAAAATGGAAAC
AATGGAACAATCAAAGTTGANAAGCCAACCATGCAAGCCAGCCGCCGGTGCTNNTGACCC
AAGGGCCGTGGTCCACGGTACCTGCCCG
Sequence 3986

## Table 1

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CCGCGGTGGCGGCCGCCCGGGCAGGTACAGGTTTGGGCCCAGAGGCCTGACAGGAAGGGC
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AGGACTCTAGGTTTTACGCTAGGTAAAATGAGGAGGCACTGCAGGGCTTTGAGCAGCAGA
GTAACACAGTCTAACTTACTTTTTTTTTTTTTAATGGATCCTACCAGCTGCTAAGTTAAGAA
TAATTTCCAGTGAGGGCTTTTGTAGTAAATTATAGATGATGCTNGTTTGTCAATCT
Sequence 3987
ACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGCATGTTGCCGT
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CACCTCAAGAGATTGCTCAGTTAGATTTTTGCTAGAGCTTGTCTGAATAAATGTGGGCAA
TTTCTAAACCCCTGAGTTAGGACTGACCAGGATGAAGTTAATAGATAAAGATTTAGGTAG
CTTTCCCAGGAGAAACAGGGCTATTAAAGGGAAAGATGAATTCANAGATCATGTGAATAT
TAAGCAGACACCCATCTTGGAAAGTATATTTTTGCACCAAAGAGGTGTGGGATATTTAGA
CATTCATTACCCAGGGACTGATGGGAGAATGGTAATTGGTCCCTTAAATAATATAAAGGA
GTGTGAATCTTTTCTTTTGGAGGGAAGTGGTGCCATTTGCCCCCATTACCTGGCAGGATT
CCGGAGGAGAGTTGTTTAGAAAAGATTAGCCAGAGTANGCAGCTCTTTAAACCCAAAGGG
AAATTTATAATTTTTACTTGCCACCTCCAGAAGTTGCCCTTGGCTTTGTTCTGTTGATGG
TGANGTCTGATTGGAAACCTGGCCAGACCGTANAGCTTCTTCACTTCAAGGNCATCGGGG
GTGGGGATTCTGCCTAAGGACCCTTCAACCCTTAAGGCAGCCCCCGTTTCC
Sequence 3988
CCGCGGTGGCGGCCGAGGTACTNNNTTTNAGNTTNTTTNNTTTTTTTTGGGAAAGGGTAG
TTCTTTTCATTAGATATTGAGGTTCAATAGACAAAATTTATTTCAGAGGTA
Sequence 3989
GGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACATGCCACTTATGGCATGCTCCG
ANAAGGTCCANGAGAGCTGAGCAGTCAAGATGTGTGACTTNACCGAAGACCAGACCGCAN
AGTTCAAGGAGGCCTTNCAGNTGTTTGACCGAACAGGTGATGGCAAGATCCTGTACCT
Sequence 3990
TAGGCGAATGGACTCCCCGCGGTGGCGGCCGATGTACNCGGGGGGGAGAGTAGTGGTTCTC
GCAGCACCCAGCACGCAGCTGGAGATCTGAGAACGGACAGACTGCCTCCTNANGNGGGTC
CCAGACCCTNGAGTANCCTAACTGGNAGGCACCCCCAAGTAGGGGCAGACTGACACCTCA
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TGTTTCCTGTGGTGAAATTGTTATTCNNCTCACAATTNCCACACAACAATACCGAAGC
Sequence 3991
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CCCCTTCGTTCACTCNCATAACAACCAACAGCGACAACTGGCACCTAGGACAGGGACGTG
AGTGAAGGTCTGCTGGAGCAGAGAAACTGACACTTGACAANGAAGAACCGAGAATGAGAA
ACCCTGCGACCGAGTCTGCTTACNAGCTTAATATAAGTCTTGCAAAAATNAAGCTTGGAC
CACCCAACNGGCCAATTTNAGAAGCTTGCANCAACCTGGCAATTACCTTTATTCAATTAA
TGCAAAAACCAAAAAATNGGGGAAGAATGTTANCAAGGCCCGAAAAGAATGAAAGGGTCC
GTGACCCAACTTCAATANTCCCNCTTGGAAGGGNNTTTTTGAAGNCAAANCAGAAAAATT
TGGTTNTTAATGGAAAAGCCAGGATGGTTGGAAAAAACTTAACCANCTTGNTGGTCTTGC
CCCCCAGAAAGGGGNTTGCTTGAAGGGGCCANGTCATTGCCCCCAAAGCCGCAGGNGGTN
NCCTTNGGGATTANCTAATTAGTAAACCATTTTGAAGCCTTGTTNGTANCNTGGCCCCG
GGCCGGGNCGNTTTTAGAAACTAATGNGGAATNCNCCNNGGGCTTGGCAAGGAATTTCGA
TTTTCAAAGCTTTAATTNGATACCCGGNCNNAACCTTCAANGGG
Sequence 3992
CCGCGGTGGCGGCCCGAGGTACCTGAGCTCCCAGTCTAGGGATTACCACATGGAANAGTG
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Table 1

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ACNGATCATGAGTGGAAGGGANATGAGTTAATACAAATGGAAAACANGTTTCATTGTATG
AAAAAGGAAAGTGAATTAATGCTTTCGAAAGAGACATTAAANTAGATNTCTGGGCAATAT
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GAGCTAACATAAACTTGCCTATTGTCATTGTTGAAGTCATANAACTACTCCTTTCAACTA
CTCTTGTCATCAAGAGGCTTCCTGATGCGATCATCTGTGGTGAGGATAGCTTTTCGAGCC
CCATCCCACTTTCCAGGGCCCTTGTACCTGCCCG
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Sequence 3993
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ANACTAAGCTCTTACACACAGTTGCNGNTGAAAGAGGGAATTGCTTGACATGGCCACANG
ANNNTGCAGCTTCCTGCAGACATGACANTCAACGCAAACTCATGTCACTGNGGGCAGACA
CATGTTTGCAAAGAGACTNAGAGCCANACAAGCACACTCAATGTGCTTTGCCCAAATTTA
CCCATTAGGTAAATCTTCCCTNCTCCCAAGAAGAAAGTGGAGAGAGCATGAGTCCTCACA
TGGAAACTTGAAGTCAGGGAAANGGGAGGCTCACCAATTATTTGTGCATGGGTTTAAGTT
TTCCTTGAAATTAAAGNTCANGTGTGTCTTTGNGTTTACCA
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Sequence 3994
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TTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTNTTTTTTTTTTTTTTT
TTTTTTTCCATAACAAAGCTCANGTGTTTATTAAGAATTAAAAATACTGTAAATAAGCCA
TACAGTTCATTTCACAGTAAACTAAACAAAACTTTTTTTTTTTTTTCTTTTCGGGTTTTT
TTTTTTTTTTTNCA
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Sequence 3995
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CGCCCGGGCAGGTACTAACAGTCAGGAACAAATAGAACACATAGAGAGGACAGTGGGAGG
TCCCCCTGGCTAAAGCAGAGGGTGTATTGAGAGAAGGAAACCTTTGCCTCAATGGATCGT
AGCAAACTGAGAAAGGACCAATAACACCTTGCTTGAGAAAGTTTTGAATGTGATTCCTTT
GGTGACCACAAGCANGGAGGTCCTTGAAAGTCCCTTGTNCTTTCAGATGCAAAACAAGGA
GGCTTGTNCCCATTACAAGACTATCAAGGGAAAAAATGCACTGTTTATCAAAAAGATATG
AATGTTCTTTGACAGGCAAAACCCTGCTCAAAATGAAATGGCANTGCCANGGAGATGATA
TTCAGTGTGATGCAACTTGTGAAGTACCTTNGGCCCGCTTCTANAACTAAAGTGGGATCC
CCCCGGGCTTGCAAGGAAATTTCGATANTCAAAGCTTATTCGATACCGTCCAACCTTCGA
AGGGGGGGC
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Sequence 3996
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CGAGGTACTTTATTTTTTTTTTTTTTTTTTTTTTTTTCCTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTNTAAAGCCNNAAAAAANTTTC
NTTTNGGGAAACTTTGAANNTTNAAAAAAAAAAAAAAAAAANNNCCNNGNGNAANTTNGN
NNAAANTTTTTTTTCAAAAANAAAAGNGCCCNAAAAATTTANTTTNAAAANTCCNNTTCT
NCAATAAAAANANGGNAAAAAAAATCTNTAAAAANNAAATCCCCCGGACAAAAAAAAAAN
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NGGGGGGGGAAAAANAACNCAAAAAATTTTTTTCCTTTANCNNAGGNTTATGGGGGNNCC
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AAAAAAAAAAACNCTCCCTGAAAAATNAANAGGNNCNNCCCCCGGGGCCCNTTTTNANAAN
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TTAANNCANTAAAAAAAGNCTTTTNNCNTTTCCCCNAAANGGGCGGNANCCCCAAAAAAAA
A
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Sequence 3997
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CTCCACCGCGGTGGCGGCCCGAGGTACCCAGCGTCTCTTGATTTCATCTTTATGTTGATG
TGTATTGGGTGTTGCGCTTCCACTTATAAATGAGAACCTGCAGTGTTTGGTCTTCTGTTC
TTGCCTCAGTTGCTTAGCAGAGTGGCCTCCAGTTCCACCCATGTTCCTACCCGAGGGCAT
```

Table 1

GATTTTGTTTCTGTGTTTGATTTTTCCTTAGTGGCTTTTTAGCATTCTGTGATGTATAGGA
ACCACATTTTTAAAAATCCAGTTTTTCTGTTCGTGGGCATCTAGATCAAGTTCCACATCTT
TATTCCTGTCAGTAACACTCCCGTGGACGTGTGAAGTGTCACGTGTCTTTTTGATAGACG
CATGTGTTTTTC
Sequence 3998
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AATTTGGTGGGTTTCAGGATTTCTGAGGAGGGAAGTCAAACAGTTCTAAAGAGTTGGCAA
GGCCAATTGAGAGGGTGGTAAGCTATCCTAAGCCCTTTCTTCTACATTAACTCTGCTTTC
CAGTTAGTCTTCAGGTGCTTTAGAATTTGAGATCCTTTTTTCTCATTGNGTGGCCATGGA
CTAGAAGTATTAGCACTACCTGGAAACTTGTTCAAAATGCAGAATTCTGGGCCCCAAAAC
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AAGTTTGAGAGGCATTACCTTAGATTCTGNCTTCTTCTTACCTTTCAAACCCAGCTGAAA
GTGGGGTTGTATTTCCCTTTACTTT
Sequence 3999
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TCCCTCTTTCTCATTTCAGGGCTTATTTGACTGGTAGGTTTTTAATACTGCTTCAATTTC
ATTACTTGCTTCTGTTCTATTCAATATTTCTGNTCCTTCCTTGNTCAACTTTGNTCAGTC
TTCCTTGNTCAATTCCTTGNGTTTCCATTAATTTATTCATTTCCTCTAGTTTGGGTAAAT
ANATATGCTTATAGTAGCTTCTGAGGATCTTTTGTATTTCTGNGGGATCTATTGNGATGT
CACCTTTATTAATTTCTAATTGGGCTTGGNTGGANCTTCTTTCTTTTTTCTTTGNTAATC
TAGCTAGGGGTCTATCAATCTTGNTTATCCTTTCAAAAAACCCACTTTTTATTTT
Sequence 4000
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TGCCTGGCCAGAAATGCCTGTGAAACAGCTGTGGTTTAAGCTTCAACTGTAAAAGACAGA
CGGAATCCTGCTGCATCCANAGCTNGAAGTTCTGANGTTCCACTGAAATCACAATGGAAA
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TAAGGAGAAGGGGTTG
Sequence 4001
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GGAGGGAAGTCACATACATATAGTACCTGCTTTTGCCGCTTCTGGTTTTTGCAGACATCC
ACTACTCCCCAGCTGATTACACCAACTTGAATGAAACGACTTCTCTTGTGAACTATCAAG
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CCTGCCCG
Sequence 4002
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CTTCATCTTCAAATTCATCTTCATAATACTGAGGATCAAAAGGTCTGGGCTCTACACTGA
GAAAGTTGGGCAGTTTAACAAAATATAAGTCGTTTCCTAAATCAGTGTTTACTTTGGGTA
TTTCTACTTCTATTCTGGTCTCAGGAATTGGGCTCCTCTTCCTGTTGATCCTGAGGCAAT
CCATTTTTCATCAACAGGCTGTNCTGGAGTAGGTGGTTTGTCTTCTCCATCACTCCCTGAA
GAGAAATCATCTGGCACCTCCAAATAAATCCATGGTTCCACTATTATCTTT
Sequence 4003
TTTATTGGTTGGGAAAGGGAGAAAGCTGTGGTCAGCCCAAGAGGGAATACANAGTCCCTA

Table 1

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Sequence 4004
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CNCCCANNCCCNANNCNNCAAACANGTTAAANTCACNGGGANGCCNTGGGCCCCTTTTGA
AAGCCNGCTTTNTNTTTTTTTTTGGGGGGG
Sequence 4005
CNGGGCAGGTACTTTATTTTTTTTTTTTTTTTTTTTTTGAGACGGAGTCTCGCTCTGTCGCC
CAGGCTAGAGTGCAGTGGCACAATCTTGGCTCACTGCAAGCTCTGCCTCGCGGGTTCACG
CCATCCTCCTGCCTCAGCCTCCTGAGTAGCTGAGACTACAGGTGCCCGCCACCACGCCCG
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GCCACCGCACCCGGCTGGAGGAGTATCTTANAAAGGCCTGGACTGGGTCCTCCCCAATNC
CTCAAGGGGAAAAGCAGAGACTAAATCAGCATCACCCCACTTACGTGGGTGANANATAGG
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TCGAAGGGGGGGGGC
Sequence 4006
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CAAAGTCACCCTGCAAAACCAATGCCCAGAATTACTGACATATTTATTTCAAGCTAATAA
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TTAAGAACAATGTCCAAAAAGGGGG
Sequence 4007
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TCAAAAGGCAACCATAATTCTCTTTGGTGCAGGTCTTGGGAGCGTGATCTAGATTACACT
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TCCCAAATATCCATCTTTTTCAGTAGCGTTAATTATGCTCTGTTTCCAACTGCATTTCCTT
TCCAATTGAATTAAAGTGTGGCCTCGTTTTTAGTCATTTAAAATTGTTTTCTAAGTAATT
GCTGCCTCTATTATGGCACTTCAATTTTGCACTGTCTTTTGAGATTCAAGAAAAATTTCT
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CCAA
Sequence 4008
CGCGGCCGCCCGGGCAGGAACTTTTTTTTTTNTATNCANCTCTTTTTGGNAGAGANNTNGT
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Table 1

CAGCTCACAGANATAGGCAGGAAGTCTCACACCTTCAGAGGGGACACTTCCTCCAGGGAG
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CTGTTCANAGAGTCCANACCCTGTGGCCTAAGGAGGCCCAAAGAGTTGGGGGGATTCTGA
CACACACTGNCTGGCAGGCGGCCTGCTG

Sequence 4009

CTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACGCGGGT
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TAAAACACTAGCAGCCAGATCTGCTGCCATGATGCCTATTTGGTGTGTTTCTGATTAAAA
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CATATTAATCAGGGACATTTAAAAACTTTAACCAGAGGCTTGAAGGGCTCACACCGTATA
ATCCTAAATGCCTTTGGAGAGGCTTGAAGGTAGGANCCTTCACCCCGGGGCTTGGGGAAG
GGAAGTTGGGAGACCCAGCCTGGGATGAACATAAATNGANAATCTTGCCTCTACTTNGGA
AAAAAA

Sequence 4010

ATANGGCGAATTGGAGCTCCCCGCGGTGGCCGGCCCGCCCGGGCAGGTACGCGGGAGTCC
AAAGGCATCCCGCCTTCTGTGCAGACTCACAAGTCCCTGTGGACGGAATTCTTGAAGTGT
AGCGCCGCTCAGTCCTTCCACCGGAAGTGTCCGATCGGAATCAGCCCTGTCCGAGAGATG
GCTACAGAACCAAAGAAAGCTGCAGCCCAGAACTCTCCAGAGGATGAAGGACTTCTGATA
GTGAAGATAGAAGAGGAAGAATTTATCCATGGGCAGGACACTTGCTTACAGAGAAGTGAA
CTCCTTAAGCAGGAGCTCTGCAGGCAGCTTTTTAGGCAGTTCTGCTACCAGGATTCTCCT
GGACCTCGCGAGGCACTGAGCCGNCTCCGGGAGCTCTGCTGTCAGTGGCTGAAAGCCAGA
GATCCATACCAAGGAACAGATTCTGGAACTGCTGGTGCTAGAGCAAGTCCTGACCATCCT
GCNAGGAGATTTGCANGCCTGGGTACCCTCGGN

Sequence 4011

CCGCGGTGGCGGCCCGAGGTACGCAGGGAGGAAAAGGTCCCGGAGAGCTGAGCAGTCAAG
ATGTGTGACTTCACCGAAGACCAGACCGCAGAGTTCAAGGAGGCCTTCCAGCTGTTTGAC
CGAACAGGTGATGGCAAGATCCTGTACATCTGGAACGGCCACGCCGTGATTGGGAAGCAG
CCGAAACTCACGGATGGGATACTTGAGATTATCACTAAGGCTGAAGAGATGCTGGAGAAA
GGCCCAGAGAACGAGTACCTGCCCG

Sequence 4012

CCCGCGGTGGCGGCCGCCCGGGCAGGTACTTTNTTTTTTTTTTTTTTTTTTTTTGGGGTA
CCCANTCTGGAATCATTGGTGGGACAGAGTTAGGAGANAACCAAAAAAATTTATCTTCTG
GGATATTGTAGGATGGCTGAGATGGTGGTTAGGTNAAAGTTNTTTCCAGAATCCTGAACT
GGAACCAAGTTTTATTTTCCCTCAAAAAAGGGTGAGAGACCATATTACTATATTAGCTAA
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ATCTCTCTATGAANAAACATCCTCCAAATTTGAAACAAATAACTTATAAACATTTTGTGA
TCTAATCTGTTCATAAATTANTTATTGCTCTGCTCTGGCATAATAAGTTAATAAAAATTC
AAAGCTGACAGCAATTTTTGGCATAAGGGGTATCTATAAGTTTNTGCCCCTAAGTTTTTC
TATTAAAAAAAATNTTTGAGTTACTANCCCAACTAACCTGGGANGCTTAGGCTGCANTGAA
CCCAAAATTGCACCCCTTGCCCTNCAACCTGGGGCAACANANCCAGGANCCTGTCTCAAA
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Sequence 4013

TGNAGCTCCCCGCGGTGGCGGACTACAGAGCCCCGAATTAATACCAATAGAAGGGCAATG
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GATTAAAATAATTTGAAGGCGATCTTTTAAAAAGAGATTAAACCGAAGGTGATTAAAAGA

Table 1

CCTTGAAATCCATGACGCAGGGAGAATTGCGTCATTTAAAGCCTAGTTAACGCATTTACT
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GNTAAAAGCCTGGGGNGCCCTAATGAGNNGANCTTAACTTACANTTAAATTGGGTTGGGC
TNACTTGCCCGCTTTTCAAGTTCGGGAAAACCTNTTGNNGCCCANCTGCNNTTAATGNAA
TCNGCCCCACNCCCCGGGGAGAGGGGGGGNTTNCGTTTTGGGGGTTTT
Sequence 4014
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TTTTAGTTTCTTTCTTTCTTGGGAAACAAAAAATACTCACTTTTATTATTAAGCCCATAA
TATTTGGTAGTAATACAAATATTTCCTAGTGGCTCCCATTCTCTAGCAGCAAGTCAAACA
GCCCTCAAGAGAAAAGTATTAAAATTGNGCTATTATGACATAGCAGATAATCTGGAATAA
AACAAATCCCTNTAGGATCATTATATCCTAAAAGTTCTTTGCCCCAGNCTTAGAACATGG
CACTTTTGAGCATGCTAAAATCATGATAAGGACATATTTCTCTTCTCATTTCACACCAAT
AAAGGAGGAAA
Sequence 4015
TACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGATCTTTGCTCACCAC
TACCTCCGCCTCCTGGGTTCAAGCAATTCTCCTGCCTCAGCCTCCCGAGTAGCTAGGATT
ACAGGTGTGCGCCACCATGCCCGGCTAGTTTTTGCATTTTTAGTAGAGACAGGGTTTCAC
CAGGTTGGCCAGGCTGGTCCTGAACTCCTGACCTCAAGTGATCTGCCTTGCCTGGGCTTT
CCAAAGTGCTGGGATTACAAAATATATGTTCGCTATTGCTAGGCAAAGCTGTAAAANTTT
GCAGAGCGTCCAAACATTANTTTNGGCTCAATAAAATATTTGCTGGAATCATATGTAAGG
GAAC
Sequence 4016
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGTATTT
TGAGGAATTACGAAAGGTGCTAGTTAAGGTGGATGAATATCATTCAGTGCATCAGAAGCT
CAGTGCTGATATGGCTGATCATTCTAATTTGATCCGAAGTTTGCTGGTCGGAGCTGAGGA
TGCTCGTCTGATGAGGGACATGAAAACAATGAAGAGTCGTTTNTATGGAACTCTATGACC
TTAATTANGAGACTTTGCTAAAATGGGATATAAAAATTCGCTGTAACAATCACACAGNAG
CTTGTTGGGAAAACCTCCAAAAGCANTTTAAATTCAAGCAAATTTTCAAAAAGNAAGNCA
CGGGTCCGTNTTGCCNGGGGTTTGGGAAAAAAACCCC
Sequence 4017
CTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAATGAGGACCATCCT
ACCAGTGGGGCCACGTCTCAACGGTTTATCCTTCACTCATTTTTCTGCACGTCATCCTGA
GGTAAACCAATTTTAAATGTGTTTGTTTTCAGTAAACCAGCTATGACAATTTATACTAAA
CAAATTGAACTAGAACCCATTTGAATAGGTTTTGAATTTGTTTTTTTCATTTTTTTCATTTT
TAATACAAAAGGCCCTGACTTGGTGCTCAATCCGTCAAAGCCTGCAATGCATTGAAAAAA
AACTTGGCCCAGGCNCCACCCCGCNGTNACCCTTGCCCCCGGGNCCGGGNNCGCTTCTTA
ANNAAACTAAGGTGGGGGATTCCCCNCCTCGGGNGTCNTGCNAAGGGGAAATTTCCGGAA
TTATTCAAAGGCTTTTAATTCNGGATTNACCCCGNTCCCGNATNCCTTCNAANGGGGGGG
G
Sequence 4018
CGGGAAGCGTGGCGCTTTCTTCATAGCTTCACCGCTGTAGGTATCTCAGTTCGGGTGTAG
GGTCGTTTCNGCTCCAAGCTGGGGCTTGTGGTGGCACTAAAAN
Sequence 4019

Table 1

CTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTTT
TTTTTTTTTTTTTTTTTTGGTTTGTTTTGTTTTTGTTTTTGTTTTGCANCCCNAGGAGT
TTTAGCCAATTCAAATGCCTTGCTNCCCACAATTTGGAACATTCCTTTGGATTTGACCAA
GTCAGGAAGAGATGGGAGAAAAGTGAANCAACAAATNAAACCCCCAAACATAAAACAAAA
AANGAGTTTAAGCAAAAACCAAACCAAATTGCACAAATTTCATTATTGATTAAACCTNGA
AGTNGTTTCTAAATTGGGTAAAGGGGAGGGAAATTTTAAAAAANGCCANGCCTTGGGTTG
GGGGTTAAAATTCCTTTNAAAANTTTTTTTANGTNNCNTTTAAAAACAAAAAA
Sequence 4020

CCGCGGTGGCGGCCGAGGTACACTTTCACTGAGTCCAAAATTAGGAGCAAAAATACAAAG
GTTCACATTGGTCTTAGGTAGGATACAGGCGAAAAAGGATTGAGCTGTTTAGCTCAGAAA
CAACAAAAACAAAGTTTCTAAAGCACCCTAAATTATATAAAAATCAAGACCATGGACGGA
TTGAAACTGGTATTCTGGTGAAATACTTTACTATTTTGTAAAAAGTTTTACAAAAAATTA
CAAATTAAAAGTATCAACCCTCTGAGTTCAAAGCAGCATTTTGAAAATGAACTGGTAGTT
AATCCTGTACCACCCTTAGAGTTGTAAGTGGGACCTTGGGAATAGGGGATGGATGGGTTC
CCCCTGGCTGAAATTCTTNGAAACCNTTCTAACTTCCTGGCCTGTCCCCTTCCCCGTAAG
CACTTGTCTTTGGNAATAACTGGTCCTTTGTAAGAGTGGTGACCGGTAAAAATGA
Sequence 4021

GGCCGCCCGGNCAGGTACTTCCTGTAATTGACAGCCTTGCCTTGTTCCTCATGGCATCAT
TCAAGGTCATCTTAAATGAGAGAGGAGGGAAAGAAAGAAAAGAAATCATACGTTATGGT
TTTCAAATGCATCCAGAGGAAAGGCAGGGTTGTTTTTGAAAAGTTTACTTCTATCTGAAA
GCTTCTAGCAAAT
Sequence 4022

CGAGGTACCTACGAGGGTGAGAACACAGTGCTCTACCTGCAGGTGGCCAGGTTCCTGGTG
AAGAGCTACCTGCAGACTCAGATGTCCCCTGGCTCCACGCCACAGAGATCTCTCTCTCCA
TCTGTCGCATATCTCACCGCACCTGACCTGGCCAGGTGTCCAGCCCAGAGGGCAGCCGAC
TTCCTCTGCCCGGAGCTCTACACCACGGCCTGGGCACATGTGGCAGTAAGGCTCATAAAG
GACTCAGTGCAGCATTTACAGACCCTGACGCAATCCGGAGCTGACCAGCACGAGGCTTGG
AACCAGGCCACTGTCATACACCTCCAGGCTGCTAAGGTGCACTGCTACTATGTCACTGTG
AAGGGTTTTACAGAAGCTCTGGAGAAACTAGAAAATGAACCAGCGATTCAACAGGTGCTC
AAGCGCCTCTGTGACCTCCATGCCATACATGGAA
Sequence 4023

CGAGGTACGCGGGGATCCAGAATACATTTCCAACAAGAGCACTGGCCAAGTCAGCTTCTT
CTGAGAGAGTCTCTAGAAGACATGATGCTACACTCAGCTTTGGGTCTCTGCCTCTTACTC
GTCACAGTTTCTTCAACCTTGCCATTGCAATAAAAAAGGAAAAGAGGCCTCCTCAGACAC
TCTCAAGAGGATGGGGAGATGACATCACTTGGGTACCTGCCCG
Sequence 4024

CCGCGGTGGCGGCCGAGGTACTTTNTTTTTTTTTTTTTTTTTTTTTTTNTTAANTANTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTNTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTNGGGGGGGGGNNNANGNNNCTTTTTNTNGNAAAACNCCNNNN
CNAAAAAAANNAAATTTAAANAAAAAANCCTNNNNGGGGNANNANGNACNAAAAAANTTGNNA
NAAAAACNNCCGGGGNNAAAAAAACNCNNNGGGNAAGGGGGGNNCCNANCNNTTTNCTCCCCG
GGNTTTTNAAAAANTAAGANCCCCCCCNGGGNNGNGNAANNCCNNTNACAACTTTTTAAAC
CCCCCCANCCCTNNGGGGGGGCCCCCCCCCCATTTTTTNNNNNTTTNTGGGGGGGGTNNTTT
CCCCCCTGGAAAAANTAAAGGGCCNAATGNTTTCCNGNNGAAAAANNATTNACGGTAAAA
AATNGCANANAAANNAAGNNCNNNGACAAAAAATNANANAACCNGGGGNGNNCCCNNAGGN
GGCCCCNCNCCAAATNNANGGGNCGCCCCCTCTNCCCCNTTNCNAAANGAAAACACTNAG
GCCCCTTTTTTTNTTAANAAACCCCCCCCCCCNGNGGGGANGGCGTTTTTTNTTTTTTGGGCCT
TTTTNNCCTTTTTTNCTAAAAAAAAATCNTAAAGCNNGGGGGGNTTG
Sequence 4025

Table 1

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CCGCGGTGGCGGCCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTGGGCAGCTAAAATC
TAGGATGGTGTTAAGTTTCTTCATTTTGTCAATTATATATAAAAAATTAGAAACAACATG
AATCTGCATTTCTTGGATGAGATAGTAATAACAAACTATTTCTCAATATTTGTATACTAA
AAACTAGTGAAGGTGTTATGTGTTTCAGTATCTTATCTCTTATTTGAACATGGGTTTCTG
AAAGGAGCCTATATAATAATATAAATGGTATGTAAGTAAATGAGGCACTGTCTTGGCTGG
GACTGCTATAAAAAAAATTACCATAGACCATTGACTAAACCACAAACATATACTTCTCACA
GTTCTGGAAGTTGGAAA
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Sequence 4026
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CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGCAAGTGAACATG
CCTGCAGATTCATTTGAATCTCCATTGACGCTAGCTGCCTGTGGAGGACATGTTGAATTG
GCAGCTCTACTTATTGAAAGGGGAGCAAATCTTGAAGAAGTTAATGATGAAGGATACACT
CCCTTGATGGAAGCTGCCCGGGAAGGACATGAAGAAATGGTGGCACTACTCTTAGCACAA
GGAGCAAATATAAATGCCCAGACAGAAGAAACTCAAGAAACTGCTCTTACTTTGGCTTGC
TGTGGAGGATTTTCTGAAGTTGCAGACTTTCTTATTAAGGCAGGGGCTGATATAGAACTT
GGCTGCTCCACACCTCTGATGGAGGCATCTCAGGAGGGACACCTGGAATTGGTTAAATAT
TTGCTGGCTTCTGGCGCTAATGTGCATGCTACAACAGCAACAGGAGACACAGCCTTAACC
TATGCTTGTGAAAATGGACATACNGATGTTGCANATGTTTTACTTCAAGCA
```
Sequence 4027
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CCGCGGTGGCGGCCCGAGGTACATTGTAGGATGCTTACCAGATCCTGCCCACTAGAGGCC
AATAGCACCTCATCATCATAGCACCCCTTCCCTCAGTGATAATAAAAAATGTCTCCAGAC
ATTGTTTAAGTTAATAAATGTGCCCAGAGCCCAGGCACAGTGGCTCAGGCCTGTGATTTT
AGCTCTTTGGGAGACCGAGGTGGGTGGATCACTTGAGGCCAGGAGTTCCTAGAACGTTCC
TCTGTCAAAAGACAAAATTACAACAATTTAAAATCTAATTTGGCTGTTATTGGCCATTCT
AGAATTGGTTGACATCTCATTCTATGAAATACAATGAGTGCTCTTCAATAAGCTGAGCAG
AGGGGGGGTTAGCTTTATTGGCAGAAAAGGGCTAAAGAAAACAGAAAAAAGAACAAAAAGT
GATTTGGTTGTTTCAGAAGTTACTTTT
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Sequence 4028
```
CGCGGTGGCGGCCCGCCCGGGCAGGTACCAACTAACCTCCCGCTCTTTATCTCCCCAACC
TTCCCACTCCCCAGCCTCTAGTAACCATTATTCTCCTCTACCTGTGAGTTGATTTTGACC
TCCCACATAAGAGAATGTGGCAAGTATTTGTTTTTCTGTGCCTGGGTTATTTCATTTAAC
ATACTGTCCTCTGGTTCCATCCTTGTTGTTGCAAACGACAGGATTTTGTTCTTTTTTATG
ACTGAATAATATTCCATAGCCATATACATACCATGTTTTCTGTATCCATTCATTCGTTGA
TTGGCAGTAAGGTTGATTCCATATCTTGGCTGTTGTGAATATTACTGCAGTAAACATAGG
AATACAGATATCTTTTCCATATACTGATTTCCTTTGTTTTGGATATATACCCAGCAAGTG
GGCTTGCTGGATCATATGGCAGCTCTGATTTTAGGTTTTTAAGGATGGGTTTTTTTTTGC
AATGAGAATAAAAATTTTCCATGTATAAGATCAAGTGTCTTTGAACTTTGGTTATATCCT
TTGCCCATTTTTCTATTGAGGTCTTTTTT
```
Sequence 4029
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GCGATTGGACTCCCCGCGGTGGCGGCCGCCGGGCAGGTACGCGGGTCTATATAAATCCAA
GACAAGCAACAAACCCTTGATGATTATTCATCACTTGGATGAGTGCCCACACAGTCAAGC
TTTAAAGAAAGTGTTTGCTGAAAATAAAGAAATCCAGAAATTGGCAGAGCAGTTTGTCCT
CCTCAATCTGGTTTATGAAACAACTGACAAACACCTTTCTCCTGATGGCCAGTATGTCCC
CAGGATTATGTTTGTTGACCCATCTCTGACAGTTTANAGCCGANTATCACTGGAAGATAT
TCAAAATCGTCTCTATGCTTACGAACCTGCAGATACAAGCTTTGGTGCTTTGACAACCAT
GAAGAAAGCTCTTCAAGTTTGCTTGAAAGACTGGAATTNGTAAAGNAAAAAAAAAATCTT
CCAAAGCCCCTTTTTGTCTGGCCAGGCCCTTTGAGGACCTTTGGAAAACCCAAGAAAGAA
AGTGNTGAAGAAAGACTGGCTTAGGTGGTNGGAAACCATNAGTGGAACCACCACCTGGAT
TTNGGGTTATTGGGTTTAAATGGTTCCAACAAACTTTTTTTTTTTAAGGAAAAAACAAAGG
TTTTAAGNAAAAATTTTGGGGTTTAAAGGTNGTACATTGGTGGTGAAAAACCAAATATTT
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Table 1

GTTGTTCCTTNCCNTTTGGNGAGGCCCCNGNAATTTTTCTTAAAAAAAAAA
Sequence 4030
CCGCGGTGGCGGCCCGAGGTACTGGAAAGATGAACTGATCATATGGAGATGTCAGCCTTG
TAAATCGAAAATAAAATTCTAAGCCCCCCAGTCAACTGAACAGACTTTCCTTTTGGCCAA
AGAGATCCCCCAAAACCTGAAAATAAACTAGTTCAGGAAGGCAGGGGGCAGGGGCGGTTG
GACATGTCTCATTACACCCTCTTCCCTCTGGAGGTTAGACAAAATTGACTAGTGTTAACA
TTAAAATAGAGATCTTAAGGACTGACAAAACAGACTCTGTAGCAATAAGACACCAAATTC
CAACCTGATTCTAGTGTAACATCACATGACAGATAGTGGGTCCTAAAGGAAATCAAAGTA
TTTTGCTCCAAAATATACTTCCCTGACATATTTTGAAATGGGCCTGAAAAGCTATCTCTT
GCGGGGGAA
Sequence 4031
CGAGGTACTTAACTAGGGTTAAGCCCGAGGTCAGGAGGGGTGGATGCCTTATTATGGGAT
TAAGTGCCCTTCTAAGAGGGACAGTAGAGGGCTTGTTCATGCTCTCTCTCTCCATGCACA
AGAAAGAGCACACAGTGAGAAGGAAAGAGGCCCTCACCAGAACCTGACCATGCTGGCACC
CGTGATTGCAGACTTCCAGCCTTCAGGATTGTGAGAAAGATAAATATCTGTGGGTTAAAG
TCACCAAGTCTGTGGTGTGGTTTATGGCACACAAGGGAACCCAGAATATGCTTTTCACCA
CTGGGTGGGCCAGCCTTTCATGGAAACTGTCAGCTTCTTAGCCCTTGCAAAAAAATGCTT
GCTGGTCACTCTCTTTGGTCCTTTTAAAAGCCCTTTCTTAGTGGNGCCTCTACCAAGCCC
CTTGACTTCATCCTTTTCTTGTCCCANGNAAGGGTGAGTNAAGGACCTTGNCCCGGCCGG
CNGCTNTAGAACTAGTGGGATC
Sequence 4032
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AGTATATCAGAGAATTCCCTGGTAGCAATGGACTTCTCAGGCCAGAAAAGCAGAGTTATA
GAAAATCCCACTGAAGCCCTTTCAGTTGCGGTTGAAGAAGGACTCGCTTGGAGGAAAAAA
GGATGTTTACGCCTGGGCACTCACGGTAGCCCCACTGCCTCTTCACAGAGCTCTGCCACA
AACATGGCTATCCACCGGTCCCAGCCATGGTTTCACCACAAAATTTTCTAGAGATGAGGC
TCAGCGATTGATTATTCAGCAAGGACTTGTGGATGGAGTTTTCTTGGTACCTGCCCGGGC
GGCCNGCTCGACCTGCCATAACCCAAATACCAAACGCCCCTCTTCGTCTGATCCGTCCTA
ATCACCACAGNCCTACTTCTCCTATCTCTCCCAGTCCTAGCTGCTGGCTTCACTATACCT
ACTAAACAGACCGTAACCTTCAACCCCACCTTTTTTCGACCCCGCCGGGAGGAAGAGACC
CCANTTCTATACCCAACACCTATTCTGATTTTTCGGCNNCCCTGAAAGTTTATATNCTTT
ATCCTACCCGGCTTNNGGAAAAATCCTCCCATATTTGTAACCTTACTACTTCCCGGAAAA
AAANA
Sequence 4033
GTAATACGACTCACTATAGGGGCGAATTGGAGCTCCCCGCGGTGGCCGGCCGCCCGGGCA
GGTACGCGGGTGGATTTGAAGGAGTTCGACTTGGATGCCCTGTTGGGTATAGATGACCTG
GAAACCATGCCAGATGACCTTCTGACCACGTTGGATGACACTTGTGATCTCTTTGCCCCC
TAGTCCAGGAGACTAATAAGCAGCCCCCCAGACGGTGAACCCAATTGGCCATCTCCCAGA
AAGTTTAACAAAACCCGACCAGGTTGCCCCCTTCACCTTCTTACAACCTCTTCCCCTTTC
CCCAGGGGTCCTGTCCTCCACTCCAGATCATTCCTTTAGTTTAGAGCTGGGCAGTGAAAG
TGGATATCACTGAAGGAGATAGGAAGCCAGACTACACTGCTTACGTTGCCATGATCCCTC
AGTGCATAAAGGAGGAAGACACCCCTTCAGATAATGATAGTGGCATCTGTATGAGCCCAG
AGTCCTATCTTGGGGTCTTCTCAGCACAGCCCCTTTTACCANGGGGCTNTTCAAATAGGA
GCCTTCCATTTTTCAGGTGTTCTCTGNGGGTCTGCCCCGTCCCAAACCTTTACGATCCTNC
TGGAAAGAAGANTGGTAGCANCCAAAAGTAAANGGGTGAGAAACTGGATAANGAAGCTGA
AAAAAATGGGANCAAAAACAAGACAGCAGCCACTAGGGACCCTCGGCNGTTCTAAAACTA
GTGnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnTANTCGAATACCGCNAACTNC
ANGGGGGGGGNCCGGGACCCCAA

Table 1

Sequence 4034
CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTNTGCTGTCTCTCTCTCTCTCTTTTTGACAG
GGAAAACAGCTATCAGGTTTCTGGAACATTCTTGAATAGCTAATTCCTGGAGTCCTTGTC
CTCACTTCTTCTCCTCTGTACCTCACTGGCATTTGCTCCAAGATCTCCTTTTCAAACAAC
GTCCTGGCACTGAGCTGAGATTTCCAAATGTTAACTCCCTGGCATCCATCCTGTAGGTGC
AGAAAGGATTCTTCCCTGATTTGCACACAAACCTTTTCATTTCGATGCATATCAGGGTCA
TCTCGGCTTTGTGCCTTGCCTACAAGGTGGTTTGGAGGCCAT
Sequence 4035
AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTCTTGGCTGGAGGCGGCTGTTGCTGCGTAGGC
ACTATGATAGGTGCTGACTGATACACCGGCTGACTTGGGTAAAAAGGCGTTCCTTGCTTC
TGGTCGCTAGCTGCAGTGACAGGGGTGCTGGCAGCAAGATGAGCGCTCTCCACAGTCCCA
TAAACCACAGGGCTGTGCTCGGGGACCTGGCTGGGCAGCTGAGGAGGAGTAGGTGTGGAC
GTGGGTCTTCCTATGGGTGGAGTAGGATTTCTGCTGCCACCTCCAGACATAATCTCCTCT
GTTATGTCTTTACCTCCCTGGTTTGGATCCCGAATTCT
Sequence 4036
GTACGCGGGGGAGGTGAGTCCGGTCCCTTTTGCATCCCTACCCCGACACTGCGGGTTGTC
ACAACGGCACCCTCCCGCTTTCTCTCTGCCTCGGATTTAGTCNGTGACTGTGTGTCTCCG
CCGNGGTGCAGCTTCAGGCCTNTCCCGCATCTACTNTCTCACGCTTCCGCTGCGGCCTGA
GGGAGGGCGGCGGGCANGACCACNGACCGGGGTTGGCATACCGTATNAAGGACAGTAACT
ACCATGGCTCCCGAAGTTTTGNCAAAACCTNGGATGCGTGGGCCTTNTGGCCCANGCAGT
CTGCGAAATCATATTGGNCTGNAGCATTTCANGCTATCCCTG
Sequence 4037
AGGTACTTTNTTNTTTTTTTTTTTTTTTTTTTTGGTAACAGATCTAATCTTCCACGTAAGCC
TCTTTACTGGANAANAGTAGATGGGAGGGCAGGTGGGATCTATTTAGACAAATCCNATAT
ATTCANAATGATTCAGTAGGCAAANAATTCCTCCTGGTAACNAATCTGNGTGTCAAGGTC
CTTACCTTGGCTCTCACTGTCCTCAGGATTATGGANGGGAAGATGATGCAGAATTCNGCA
CATGTCTTCTGGATCATGGGGGA
Sequence 4038
CGGCCGCCCGGGCAGGTACGCGGGGGGGTGGAGGGAACGTCTGACAAAATTCAATGTTTGG
AGAAAGCGACATCTGGAAAGTTCGAACAGTCAGCAGAAGAAACACCTAGGGAAATTACGA
GTCCTGCAAAAGAAACATCTGAGAAATTTACGTGGCCAGCAAAAGGAAGACCTAGGAAGA
TCGCATGGGAGAAAAAGAAGACACACCTAGGGAAATTATGAGTCCCGCAAAAGAAACAT
CTGAGAAATTTACGTGGGCAGCAAAAGGAAGACCTAGGAAGATCGCATTGGGAGAAAAAA
GAACCCCTGTAAAGACTGGATGCGTGGCAAGAGTAACATCTAATAAAACTAAAGTTTTGG
AAAAA
Sequence 4039
CCGGGCAGGTACCTGTTGGCTTTCTGCAGAGATGCTTACTTTTCCTCTCCTATCAGAGTT
TAATGTCCTGGGACTCTGACATTTTGGTAAGTGTTTTCTTAACCCGCAGGGCTGTCAGCC
TTGATGCAGGATTGTGAGCCCAGCATTCTGTCATGAGTTTTCCCATCTGCCTTAGACACT
CATCACTGCTCCACCGGTTTGGGAATGAGGGGCGTAACTTCTTGATGCACACAATCTCCC
TCATGTCCTCATAAGAGGGGTCACTGGGCACTAGGTCATGATAAGGAAGCTGGTATTCTT
CCACTATACCTCCTGATACACATCTCCTAGCAACCTCCCAAAGGATGAGGC
Sequence 4040
CCGGGCAGGTACGCGGGGTGGTGGCTGTGCTGGTGGCGTTCAAGATGTCGACCAAGAATT
TCCGAGTCAGTGACGGGGACTGGATTTGCCCTGACAAAAAATGTGGAAATGTAAACTTTG
CTAGAAGAACCAGCTTGTAATCGATGTGGTCGGGAGAAAACAACTGAGGCCAAGATGATG
AAAGCTGGGGGCACTGAAATAGGAAAGACACTTGCAGAAAAGAGCCGAGGCCTATTTAGT
GCTAATGACTGGCAATGTAAAACTTGCAGCAATGTGAATTGGGCCAGAAGATCAGAGTGT
AATATGTGTAATACTCCAAAGTATGCTAAATTAGAAGAAAGAACAGGAT

Table 1

Sequence 4041
GCCGCCCGGGCAGGTACTTAACTAGGGTTAGCCCGAGGTCAGGAGGGTGGATGCCTTATT
ATNGGGATTAGTGCCCTTCTAAGAGGGACAGTAANAGGGCTTGTTCATGCTCTTTCTCTC
CATGCACAAGAAAGAGCACACAGTGAGAAGGAAAGAGGCCCTCACCAAAACCTTGACCAT
GCTGGCNCCGTNATTGCAGACTTCCAGCCTCCAGGGATTGNGAGAAGATAAATATCTGTG
GTTTAAGTCACCAAGTCTGTGGTNTGTTTTTATGGCAAGCACAAGGTAACCCCANATGAT
GCTTTTTCACCCACTTGGGTNGGTCCANCCCTTTNATNGGAANCTGTNAACTTCCTCAAT
CNCTTGGCAAAAAAATGCTTGC

Sequence 4042
AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTCTTTTTTTTTTCTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTNTTNNTTTAAAAAANTTTTTNN
NTTTNTNTNNNNNNNNNNNNNNNNNAAAAAAAAAAAAAAAAAAACACCCCGGGGGGGNNANNGG
GNCCCNTTTTTTNNAAAAAAAACCNNCCCCAAAAAANAAAATTTTAAAAAAAAACCCNNNCCN
NAAAAAAAAANNAAAAAAAAAANCNNAAAAAAAAACNNNCCTNAAAAAAAA

Sequence 4043
CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTAATTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTNTTTTTTTTTTTTTNTTTTANNTNTNTATNTTTTTANN
TTTTAANNANAAAAANGNAAAAANNTNAAAAAAAAAAAAAAAAAAATTTTTTAAAACNCAAANAN
TTTTTTTTTNAANAAAAAAAAAAAAANAAAAAAAAAANNCAAAAAATTCNTTTNNNNTNNAAA
AAAANNNNANAAAAAAAAATNTTTTTTNTTTTTTAAAAAAAAAANTTTTCTNAAAANCTTAA
AAAAAAAAAAANCCCCCNNTCTTTTNTNTNNAAAAAAA

Sequence 4044
CCGGGCAGGTACAACCAGCAACAAAAAAACTCACAAATTCTAATGTCTGGCCCTCAGAAC
ATCCTTCAGACTAATTTTAGAGATTCTTAAAAATTCAAAAAAGTAATGCAATGCCCAAAA
CAAAACAAATATATATGGAAGGAAAAGGAGGGGGGAAGCAACACTGTATCATGTACCAGC
ATCCCCAGCGTCTGGCATTCCATGTTTCTGCTCCTGTGGTCTCCACGGTGCAACAAGCTA
GCGGTTTACTTGGACCTCTGCCTCATCTTTCTTCTTTTGCGCTTCAGCCTGCGCATTTCG
CTTTCTTCCTCCACTTTGGCTCTCATGGGCGCAGAGGTTTCCAAAAA

Sequence 4045
CCGGGCAGGTACAATTCAGGACACAGGCATGGGCAAATACTTCATGACTAAAATACCAAA
AAGCAATGGCAACAAAAGTCAAAATTGACAAATGGGATCTAATTAAACTAAAGAGCTTTT
GCACAGCAAAAGAAACCATCATCAGGGTGAACAGGCAACCTACAGAATGGGAGAAAATTT
TTGCAATCTATCCGTCTGACAAATGGCTAATATCCAGAATGATCTCTATTTTATTTTTTA
TGACATATTAATCATGTTTGTTCTCTTGTGTCCTCTCTTTCTTTCTCTCGATTTTCCAGT
GGGTCCACGGTGGTCTATTTGTAGGGTTCATATTTACAAATGGGAGTCA

Sequence 4046
AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTATGAAGGTTGAATGCAGGGTTTTATTGAG
TGGTGGAGGTGGTTCTCTGAAGGATGGATGCAGAGCTGGAAGCGGGGATGGCACGGGAAG
ATAATCTTCCTGCTGGGTGGCCAAACCTCTCCGACCACCCTCGGCTGAACTCCTCTCGGC
GTTCAAATGTTCCTCTTCTCTCTTTCTCTGCTGTATCGTTTCACCATTCATCTGCTTGTT
GCTTGGCGATAGGTGATTGTCTCGCCGCTCAGCTATAGGCGATGGTCTCACCACTCGGTG
ATAGGCGATTGTCCCATCTAGGTCGCCAAAATGTGTCTGGAAT

Sequence 4047
CCGGGCAGGTACTCAAGGCAAACCAGCAATTGCCCATCGAGATCTGAAAAGTAAAAACAT
TCTGGTGAAGAAAAATGGAACTTGCTGTATTGCTGACCTGGGCCTGGCTGTTAAATTTAT
TAGTGATACAAATGAAGTTGACATACCACCTAACACTCGAGTTGGCACCAAACGCTATAT
GCCTCCAGAAGTGTTGGACGAGAGCTTGAACAGAAATCACTTCCAGTCTTACATCATGGC
TGACATGTATAGTTTTTGGCCTCATCCTTTGGGAGGTTGCTAGGAGATGTGTATCAGGAGG
TATAGTGGAAGAATACCAGCTTCCTTATCATGACCTAGTGCC

Table 1

Sequence 4048
AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTGCGATTAAACTACTGTTGTATCATTGGGCTG
CGACGGGTTACAGGTCCACAAACTGTTTAACTGGACATATGTGGAGGNGGTAAATCCCCC
CATTTTACAGGTCTTTGGGAAGTTCTGGGGGCCAGGAAATCCAAATTTGATAATAGGA
Sequence 4049
GGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTGGAAGGTTGAATGCAG
GGTTTTATTGAGTGGTGGAGGTGGTTCTCTGAAGGATGGATGCANAGCTGGAAGCGGGGA
TGGCACGGGAAGATAATCTTCCTGCTGGGTGGCCAAACCTTTCCGACCACCCTCGGCTGA
ACTCCTCTCGGCGTTCAAATGTTCCTCTTCTCTCTTTT
Sequence 4050
CGAGGTACTTTTTCTTTTTTTTTTTTTTTTGAGACAGAGTCTCGCTCTGTTGCCCAGGCTGG
AGTGCAGTGGCACAATCTCAGCTCACTGCAACTTCCACCTCCCGGGTTCAAGTGATTCTC
CTGCCTCAGCCTCCTGAATAGCTGGGACTGCAGGCACCCACTGCCACACCCCGCTAATTT
TTGTATTTTTAATGGAGACAGGGTTTCACCATGTTGGCCAGGCTGGTCTCGAACTTCTGA
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ATGCCTGGCCCCAGTCTCTACTAATTTTCTGTTGATGCTGTAACAAATTACTACAAACGT
TGTGGCTTAAAACAATATACATTTATTATCTTAACAGTTCTGTAGGGTAGGAATCTGACA
CAGGTCTTGTTGGCTAAAATCAAGGGACTGGCAAGGCTGCATTCTTTCTGGAGGCTCTAG
GAGGGAATCCAGGTACCTGCCCG
Sequence 4051
GGAGCTCCCCGCGGTGGCGGCCGANGTACTTTTTTTTTTTTTTNTTTTTNTAACGCCTTTC
CTACATCAGGTNTATTCAAAACACAAACAAGTATTTCTCTTTNTGTAAGGGCAAATGGTT
CAAATAATGCGGTACACGAAACATTGACTAATCAAGTGCTTTAAATATNAAACANAATTA
TTCTTTTAAAAAAGCAAAATAATAANGNATATATACAAAAGGGACCTGGANTNTGTAAGC
TGATTCCAAAANCGAAATAAGTAGAAAATCCATGGTGAAACCTGAACATTCTACCTTTG
Sequence 4052
CAGCGAGATAGGGTTGGAGGAGAAGTANCGCCGGGACTTCCGGATGGCAAACTTCTCTGT
GGGTAGAGATTTCCCAGCAATCTTGAGCTTCAGGCCTGGCACAGCTCGAAATAATTCCAC
TTCGTCGACCCCGAACGGCTTGTGGTCCTCCTTCCCAAACATGCTGAGGTAGGCGGCCTT
CATGTAAATGTAGGTGGCCTTTTTAAGTCAGATCATGTCAGTTCCTTCTGGAAATCTGGN
TATATTCATCACACTCAGGAGACATCTCCTACAATTTCCTTGACAC
Sequence 4053
GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTTCTTTTTCCT
TTTTTTATTGTTTGTTTTTTTTGTTTTTTTGGGGGTTTTTTTTGGCAGCCACAGGAGTTT
TAGCCAATTCAGATGCCTTGCTCCCCACAATTTGGAACATTCCTTTGGATTTGACCAAGT
CAGGAAGAGATGGGAGAGAAGTGAAACAGCAACAATAAACCCCAAACATAAACAAAAGA
GTTAAGCAAAACAAACAAATGCACAATTCATATGATTAACTGAGTGTTCTAATGGTAAGG
AGGAATTAAAAGCAGCTGGTGGGTAATCTTAAATTTTAGTCATTAAGGAAAAATTTTAAG
ACAAAACTCTAACCCGCGTACCT
Sequence 4054
CGCCCGGGCAGGTACCTTCAATTTTTCCCACGGTAATGGAATATAACTATTTATCAATTT
ATCACTGCAACTGACATAGCCAGGGAAATGTTTAAGAAATGAATAAATAGAAGTTTATTC
CCTGCAGGTAGCGATTGAGTCCACCAAAATCTTAAGCTAAATTTTATGTTGTTTCATGGT
AGCTGTTATGAAAATGGACCATCTAAGAGAAATCCATTGTTTCTCAAATTCAAATGCAT
TCTGTGTGACTAGGTTGTTCCCGTGATAATGCTATGCGACATTGCTGTTCTCTTCTATTC
ACCAGTTTGCCTTCCTAATAACCTCTTCTCATATACATTCTTTAGGAAAAGACCAGTGCC
CTCAGTCTGAGCAACGTTGCTGGAGTATTCTACATCCTTGTCGGGGGCCTTTGGTTTGGC
AATGCTGGTGGGCTTTGATTGAGTTCTGTTACAAGTCAAGGGCCCGAGGCGAAAACGAAT
GAAGGTGGCAAAGAATGCCCAGAATATTTAACCCATCTTCCTTCGCAGAAATTCACAGAA

Table 1

TTTTTGCCAACTTATAAGGGAAGGTTACAACCGTATATGGCATCGAAAGTGGTTAAATTT
AAGGG
Sequence 4055
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGCAGTG
GGAACATACCAGCCTGAATTTGGAAAAAATAATTGTGTTTCTTGCCCAGGAAATACTACG
ACTGACTTTGATGGCTCCACAAACATAACCCAGTGTAAAAACAGAAGATGTGGAGGGGAG
CTGGGAGATTTCACTGGGTACCT
Sequence 4056
CCGCGGTGGCGGCCGAGGTACCACACCAGCCTCAGAACCCGCTCCACTGGCCCCCCATGA
GGACCACCAGCAAAGGGAGACCAAAGAGAATGACCCCATGGACAGCCATCAGTCCCAGGA
ATCCCCAAACCTGGAAAACATAGCAAACCCCCTAGAAGAAAATGTAACGAAAGAATCAAT
CAGTAGTAAAAAAAAGGAAAAAAGGAAACATGTGGACCACGTAGAAAGTTCACTATTTGT
AGCACCAGGAAGTGTTCAATCCTCAGATGACCTAGAAGAAGACAGTAGCGACTACAGCAT
TCCTTCCAGGACTAGTCACAGTGACTCCAGCATTTACCTTCGACGACATACTCATAGGTC
TTCGGAATCGCCCAGAGCTTTGAAATTACTGGCATGCAACAGCTATACTTTTGGATAGAA
GACAAGCAGATTGGAACCTTATCATTAAGCACAGTCCGATCGGATATCCGGTTTGGGCAA
TAAGAGATGTAAATAAAGTGAGGATTTTAAAGCCCAAAGGCCTCCTTGCTATAAAAACGC
ACCCAAAACGCCTT
Sequence 4057
CCGCGGTGGCGGCCCGAGGTACTTTCTTTTTTTTTTTTTTTTTTTTTTGCATTTGAGCTAA
GATTTTAACAATCCTGTGAAAATAGGTAATATAGTCACGTATTTGTTGAATACATTATTT
CAAAGAACCACAAACACACAGAAAAAAATATTTAAAAAGTCCATGGTGGGGGAAATGATCC
AGAAACAACAGCTCTTNTACTTCCAGCCCTAACCGTCTGGGATGCTAGATGGNTGNGGGC
AAACCGTGGAAAAAGATAAGCTTCTGNTTTTCAAGATTTTATTTTGTTAGAGAGTGCAGA
AAATCTAAGTGATGNCTCTGTTTTTGCTTTCTAGCAATTAATATATGACAGCAGTCTTTG
NGATTTA
Sequence 4058
CGGCCCGCCCGGGCAGGTACGCNGGGGGAGCATGAACCCTGTTGTGAACTGCTCATCTGA
GGGATCTAGGTTGTGTGCTTCATATGAGAATCTAATGCCTGATGATATGTCACTGTCTCA
CTTTGCCCCCAGATGAGACCATCTAGTTGCAGAAAAATNAGCTCAGAGTTTCCACGGATT
CTACATTATGATTTGATCTTCAACAAAGCTGACACTGGGGAAAGGACACACTCTTNAATA
AATGGTGCTGGGAAAATTGGATAGCCACATCCAGAAAAATGAAACTGGACCACTATCTCA
CTATATACAAGAATCAACTCAAAGTAGATTAAAAACTTAAACAGAAGACCTGAAACTATN
AAAATACTTGAAGAAACCTANGGAAAAATTTCCTGGCCTTTTGTCTAGGCGAAGAATTT
AATGACTAACACCTCANAAGCCACAAGCAACACAAGATAAAAAATNGACANNATGGGACT
TAATTAACTTAGAAAGCTTCTTGAGCNGCAGAAGGAAATAATCAGCAGNANTGAAGAGAC
CACCTTCTTGAATGGAAGAAAATATTTGCAAACTGGTCATCTAATAGNGGGNCTAATACC
TNGGAATTTTNCCAAA
Sequence 4059
CCGCGGTGGCGGCCCGCCCGGGCAGGTACTTGTTTTTCAAACAATAAAACAGGCCGGGCA
CCGTGGCTGGCTCACGCCCATAATCCCAACACTTTGGGAGGCCGAGGCGGGCGGATTACC
TGAGGCCAATATGGTGAATTCTCCTCTCGACTCAAAATACAAAATGATTAGCTGGCCGTG
GTGGTGTGTGCCTGTAATCCCAGTTACTTGAGAGACTGAGAGGAGAGAATCGCTTGAACC
CGGGGGGGCAGAGGTTGCAGTGAGCCAAGATTGCACCACTGCACTCCAGCCTGGGCAACAA
GAGCGAAAACTCCATCTTAAAAATAAAATAAATAATAAAACAATGATGAAAACACAACTA
ACTACAGCACTTCAGAGTTAGTTGACAAATCCACCTTTTCAATCTACATTTCAAAATGTT
CAGAAAGACACCATCCTAGGGGAAGTCAACCAGCAGCAACCTCTCTGCTAATTTTTGTAC
CT
Sequence 4060

Table 1

CCGGGCAGGTACGCGGGGCCATTTAGCCTGCCATTGAAATGCAAAAGTCTGTTCCAAATA
AAGCCTTGGAATTGAAGAATGAACAAACATTGAGAGCAGATGAGATACTCCCATCAGAAT
CCAAACAAAAGGACTATGAAGAAAGTTCTTGGGATTCTGAGAGTCTCTGTGAGACTGTTT
CACAGAAGGATGTGTGTTTACCCAAGGCTACACATCAAAAAGAAATAGATAAAATAAATG
GAAAATTAGAAGGTAGATATGCTGCTGAATTTAGAACATTCTCTGCAATGATAAGGTCTC
CTGTTAAAGATGGTCTTCTGAAGGCTAACTGCGGAATGAAAGTTTCTATTCCAACTAAAG
CCTTAGAAATTGATGGACCATGCAAACTTTCAAAGCAGAGNCTCCGAGAAGNCATCTGCC
TTCGAGCCTTCCCATTGGAAATGCA
Sequence 4061
CCGCGGTGGCGGCCCGAGGTACACACTGGCAGAGCACCCGACGGACGGTGGCAGAGGCAA
AGAAGAAGATTGAACAACAGGGAGGCTTCACCTTTGAAAACAAAGGAGTCCTCTCCGCAT
TTAATTTTGGGACTGTGCCCAGCAACAACTGAAGGAAAGAACATCAGCTGACCAAATGTC
ATCGCTGCATTTTATTTCACAAGAGGAGTGTGAGGGTCAAGGGGATGAAATGAGGGGCTG
CTTTTAGGGCCCTCCTGCTGTGCCAGTTACCATCTGGCATTAGGCAGCACTTTTATCTAC
TCTTTCCCCTTTGACCTTTGTCACCCTGAAATATATATTTTAAACAGCTACTGTAAGTAT
GAAATGAAAGAAAACAATCATTGGACGGAAAAGGACAACCCATATGTTCCAAAGGCTGA
ATGCCCAAGGTTGTTTTAGAGGATTGGATAGACTTGCACCGTCTCANGTTTTTGCCCATG
CAGAATCAATGGA
Sequence 4062
CNAATTGGAGCTCCACCGCGGTGGGCGGCCGNANCTCTGAGGAGCGGCCAAGCAGCAGGA
CAGGCAGCTTGCCCTGGTGGTCAATTTTGATGAGTGCGATGTCTGCTTTCTCATCCCCCG
CGTACCTGCCCG
Sequence 4063
GGGCGAATTGGAGCTCCCCGCGGTGGCGGCTCGAGGTACAGGGTCCCAAAATGCGCTGAC
TCAGCTTCACCAGCCCATCTCGGATCTCATTGCCAAAAATGTCTCTTCGGTCATGAATGA
GGATCCAGCCCAACCTTCAGNCAGGAACCAGCCAGCGCTTGGCCAGCCCTTCCACAGGAC
AGGATGGGGACATCGGTGCTGAGGGTGGCCAGTGGTTCATATTTGCAATCCGAAAACACC
ATGTCTCCATAGATCTCATCAGCTAAGATGGGGACACACTGCCCGTGCAGGCACTGCCAG
AATCTTCTGAAGATGACCGTTNGCTGAACACTGACCCACAGGGGTTTTGATGGATTATTG
ACAATGGAGACAAGCTGTCTTTTCATCAA
Sequence 4064
AACTCCTCTCGGCGTTCAAATGTTCCTCTTCTCTCTTTCTCTGCTGTATCGTTTCACCAT
TCATCTGCTTGTCTGGGATGGTGAAGACAACTGTTTGCTCATTCTAAACGACACGGAATA
GAGGCGTCTCCTCATCTGCTCATCTGCTTCTGGAGCCCGAGGTTTGGGGTTTATATGGGT
ACCT
Sequence 4065
CGAGGTACGACCGCAAAGCCTGACTCTTAACCATTGTGTTCTGTTGCCTTCTCCAAGGGA
AAGGAGTGCTTCCAGAAAGGCCATTGGAAGTGAGGAGCGTCACCTGATAATAGCTGGCTC
CTCATCCCACTAGGTTAACAGGCAACAGATGGGGGCCACAGAGTTGGCTGGAGTTAGTCC
TGGTTGCCAAGGGTAAATGGGGCTGTTACCATGCAATGGATAGAAACTAGGATGCTCCTG
TGTGTCTCCTTATATCCTACCAGGTGTAGCATGAAGGTTAAGGACAATTCCGTCCTCTTA
TTTGGAGAGGAGACCAAGGCCCTGTAGGACTAAAGGTTTGGGTGAGCTGAAAGCCAAGGG
CAATTGGCCCAGCTTGGGGAGGAGAGTTACAAATACATTTGTGACTATCANACCAGAAAC
AGACTGCGGTGTTCACCTGCGGTTTGGGTACCTGCCC
Sequence 4066
CGCGGTGGCGGCCCGAGGTACGCGGGGACTGCACACATGCTAGGGTCCAGGACAGCAGGA
CCAAGCCAGCAGAAACAGCCTGAGCCCACCGCAGACTGGCCTGGCTATACTGGACAATGC
CACTCCTCCTGTACCTGCCG
Sequence 4067

Table 1

GGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACACTTGAAACCAAATTTCTAAAACT
TGTTTTTCTTAAAAAAATAGTTGTTGTAACATTAAACCATAACCTAATCAGTGTGTTCACT
ATGCTTCCACACTAGCCAGTCTTCTCACACTTTTTGGTTTCAAGTCTCAAGGCCTGACAG
ACAGAAGGGCTTGGAGATTTTTTTTCTTTACAATTCAGTCTTCAGCAACTTGAGAGCTTT
CTTCATGTTGTCAAGCAACAGAGCTGTATCTGCAGGTTCGTAAGCATAGAGACGATTTGA
ATATCTTCCAGTGATATCGGCTCTAACTGTCAGAGATGGGTCAACAAACATAATCCTGGG
GACCCCGCGTACACCTGGGCACCAGTGACATTCCAGATGTCCTTGGGGGGCGTCACTATG
GAAGGACCTTGCTCGCAGGTGCCCTTGCTGACCTGGGTGCCCGCCGTACCT
Sequence 4068
CCGCGGTGGCGGCCGAGGTACTTCATTTAATTTTTGCCTCTTACAGTCTGATATCCTGTT
GGGCATTCTGGACAACTTGGACCCAGTCATGTTCTTCAAATGCCCTTCCCCAGAGCCTGC
CAGCCTGGAGGAGCTCCCAGAGGCTACCCAGAAGGACCCAGTTCCTTACCAGCCTCCCTT
TCTCTGTCAGTGGGGACCGTCATCAGCCAAGCTGGAAGCCATTAATGAACTAATTCGTTT
TGACCACATATATACCAAGCCCCTAGTCTTAGAGATACCCTCTGAGACAGAGAGCCAAGC
TAATGTGGTAGTGAAAATCGAGGAAGCACCTCTCAGCCCCTCAGAGAATGATCACCCTGA
ATTCATTGTCTCAGTGAAGGAAGAACCTGTAGAAGATGACCTCGTTNCGGAGCTGGGTAT
CTCAAATCTGCTTTCATCCAGCCACTGCCCAAAGCCATCTTCCTGCCTACTGGGATGCTT
ACAGTGACTGTGGGATACGGGGGTTCCCTTTCCCCATTCAAGTGACATGTCCTCTCTGNT
TGGTGNAAACCATTTTTGGGGAGG

Table 2

Sequence 1
CCGCGGTGGCGGCCGAGGTACAGGAACTTGATAATCATTGTTGTTGTCTTTATCATTACC
ATCATCTCCATTAGCATCATCAGCATCACAGTTGCAGTATGGGGATCACATTAAGTGATG
CGGCAAGATCAGGAAAACCATTATCAAGACAATGTCCAGTTTGGATGTGTAAATATTATC
CTGTGCTTCTTGCCCATTTAGCAAACACTTTCTTTTCAGTGATAAACCTATGACCCCCAT
ATGGGGCATGTTCATGAAGAAAATATTCATCACACTCATCTCTTCCTTGTTCATAATAAT
GGTAGGGGACTTTTCTATACCCTTCTGTCTTGCAGTAGGTGTCATTTATCATCCCGTAGA
CGTGAATGCCATAACAGGCGTCCATGGCCAGAATGAAGGTAAACCACCCTGTGCTGAGAT
ATGAGCCAGACTGGACTCTGCCTTCCCAGTTTCCTTCTTAAAAACTCCATCACAGTAACT
CATGCGCTTCTCTGTGGTCACCGTATATTTGGGCATTCGGATAGATCCAACTGTCTTTTT
CAACATGTTGTAAACGATGCCATTGCCATCTTTCCTCATATTGCGGAAAGGTCCCCAAAT
AACATAAATAGTAGTATTCGCTTCCTTGAAAAAATAATCANGGTTT
Sequence 2
CCGCGGTGGCGGCCGGGAGCCGCGGAAAGAGTAGGGCCCCCCAGACAACGGGGTCCGACG
AGCAGTTGGGCACGGGCTGAGTCCGCCTGCCGGCAGAATGTCCCTGGCTGCTTATTGCGT
CATCTGTTGCAGAAGAATAGGAACCTCTACTTCCCCACCAAAAAGTGGCACACACTGGAG
AGATATCAGAAATATAATAAAGTTTACTGGATCACTTATTTTAGGAGGTTCTTTATTTCT
TACATATGAAGTTCTGGCCCTGAAGAAGGCTGTGACATTAGATACTCAAGTGGTAGAACG
AGAAAAAATGAAGTCATATATATATGTGCACACAGTTTCTTTAGATAAAGGAGAAAATCA
TGGTATTGCCTGGCAGGCAAGAAAAGAACTTCACAAAGCAGTAAGAAAAGTATTGGCAAC
ATCAGCCAAGATACTGCGGAATCCATTTGCTGATCCTTTTAGTACCT
Sequence 3
CGCCCGGGCAGGTACCCGGCTGGCCAAGGAGAAGGAGCAGAGCCTCACGGCAGAAAAGGA
TGAGGACGAAGAGAACGATGCCTCTCTGGCCAACTNCTCCACCACCACTTTGGAGGACAA
AGGCCCTGGCCATGCCACTTTTGGCCGCGAGGCCACCAAATTTGAAGAGGAGGANAAACC
TGACAAGGCCTGGGAAGCCAGACCCCCACGAGAGTCCAGCGATGTTCCCCCCACGAAGAG
AAATAACTGGATCTTTATTGATGAGGAGCAAGCCTTTGGGGTCAAAANGACAGGCCCCGG
GCCCGGGGCNCGTGGTTTCAGAAAGTTCACTTTTCGTGGTCNGNCTTCTTGGCGGAAAT
GGGAACCGGCCTTTTGTGGTGGGGGGGGGTCCTGGGGGGCCCCCANCATNTACTGCAACAA
GTCAAGCGCAACGGGNCGCTTTTAAAACTAGTGGGATNCCCCCGGGCCTGGAAGGAAATT
CGATATTAAAGCTTATTCGATACCGTCACCCTTNANGGGG
Sequence 4
ANTNTATCCCCCNNNCTNCANNAATTCTATATCAANCTTATTTATACCTTCCAAGGGAAN
GTTNNNCCCNNTACCCANCTTTTTTTTCNAAGGAATTAANCTTAATTTCCCTCTTNNCTTA
ATCATNNTCATANCTTNTTTCCTNTTNTCAAATTNTTATCC
Sequence 5
CGCGGTGGCGGCCGAACATCTCCAGCAAGCTCCGGTCGATGGCCTGCACCTCTGGCTCTA
GCTCCGACNCCATCTTCTCTCCTCCTCCTTCCCAGCGCTACCGCCGNCCGGAGAGCTGCA
GCCTCACCTCNG
Sequence 6
GCTCCACCGCGGTGGCGGCCGCCCGGGCAGGTACCCTTTTCTTCCAGCCCAGAGCTAGAC
TTCTGGATGCTGAGCCTGGGAAAATACTGAATTTCTCTCATTTTTTCACTTTTAGGAGGGA
ACGGTTATGGCATATACTTGCAGTGCCATTAGAAGCATTGGCAATCCCTGATCTTTTTGA
TAGTTTAAGGCTTAGAATCATCAAAAGTTCCAGGTTCATATCCTTCTAAAATGGAAGAAA
TGGAGGAAGTTCCAAGTGTGGTACCTCGGC
Sequence 7
GGAGCCGCGGAAAGAGTAGGGCTCCCCAGACAACGGGGTCCGACGAGCAGTTGGGCACGG
GCTGAGTCCGCCTGCCGGCAGAATGTCCCTGGCTGCTTATTGCGTCATCTGTTGCAGAAG
AATAGGAACCTCTACTTCCCCACCAAAAAGTGGCANACACTGGAGAGATATCAGAAATAT

Table 2

AATAAAGTTTACTGGATCACTTATTTTAGGAGGTTCTTTATTTCTTACATATGAAGTTCT
GGCCCTGAAGAAGGCTGTGACATTAGATACTCAAGTGGTAGAACGAGAAAAAATGAAGTC
ATATATATATGTGCACACAGTTTCTTTAGATAAAGGAGAAAATCATGGTATTGCCTGGCA
GGCAG

Sequence 8
AGGTACTAAAAGGATCAGCAAATGGATTCCGCAGTATCTTGGCTGATGTTGCCAATACTT
TTCTTACTGCTTTGTGAAGTTCTTTTCTTGCCTGCCAGGCAATACCATGATTTTCTCCTT
TATCTAAAGAAACTGTGTGCACATATATATATGACTTCATTTTTTCTCGTTCTACCACTT
GAGTATCTAATGTCACAGCCTTCTTCAGGGCCAGAACTTCATATGTAAGAAATAAAGAAC
CTCCTAAAATAAGTGATCCAGTAAACTTTATTATATTTCTGATATCTCTCCAGTGTGTGC
CACTTTTTGGTGGGGAAGTAGAGGTTCCTATTCTTCTGCAACAGATGACGCAATAAGCAG
CCAGGGACATTCTGCC

Sequence 9
CCGCGGTGGCGGCCGAGGTACAGGCTGACAGAGAAGATTCCCGAGAGTAAATCATCTTTC
CAATCCAGAGGAACAAGCATGTCTCTCTGCCAAGATCCATCTAAACTGGAGTGATGTTAG
CAGACCCAGCTTAGAGTTCTTCTTTCTTTCTTAAGCCCTTTGCTCTGGAGGAAGTTCTCC
AGCTTCAGCTCAACTCACAGCTTCTCCAAGCATCACCCTGGGAGTTTCCTGAGGGTTTTC
TCATAAATGAGGGCTGCACATTGCCTGTTCTGCTTCGAAGTATTCAATACCGCTCAGTAT
TTTAAATGAAGTGATTCTAAGATTTGGTTTGGGATCAATAGGAAAGCATATGCAGCCAAC
CAAGATGCAAATGTTTTGAAATGATATGACCAAAATTTTAAGTAGGAAAGTCACCCAAAC
ACTTCTGCTTTCACTTAAGTGTCTGGCCCGCAATACTGTAGGAACAAGCATGATCTTGTT
ACTGTGATATTTTAAATATCCACAGTACCT

Sequence 10
AGGTACAGGCTGACAGAGAAGATTCCCGAGAGTAAATCATCTTTCCAATCCAGAGGAACA
AGCATGTCTCTCTGCCAAGATCCATCTAAACTGGAGTGATGTTAGCAGACCCAGCTTAGA
GTTCTTCTTTCTTTCTTAAGCCCTTTGCTCTGGAGGAAGNTCTCCAGCTTCAGCTCAACT
CACAGCTTCTCCAAGCATCACCCTGGGAGTTTCCTGAGGGTTTTCTCATAAATGAGGGC

Sequence 11
AGGTACGATATACGAAGACTCTGAGCTGTTTGCCTCCGATGGTTTCCAGTATTTGCCCGT
TGTAAAGCTCATTAAGGCCAACTTTTACTTTCAATATGTGATTCTGCAGAATTAATTTAA
GGAGGCGCTGATCCATGCTGAGAGTATCATCAGAAAATGCATTATTCACAGGTGCCAGCA
AAGTGTATTCTCCATCTGGCCTCAGAGCAGATGCCAAGCCTAATTGGGCCACAAGATCCG
TGAAGGTGGTTTGCTGTTTTCCAGCCAGCTCAATAACTTGTTTGGCAGAATCAGGAATTA
GGACCTGATCAATCAAATGGATCACACCATTATTTGTCACAATATCCTTTTTNGTTCACCA
TTTTGATTCCATTTACTGTTATACTGTCACCGTCACATCCTATCTCAATTNGTATTTCCT
TCCAGCGTCTCAAAGACTGCTCCTCCCATAATAGACTCAGAACCTGGANGAGTATTTTAA
GATGTGGTACCTCGGCCGTTCTAGAACTAGGGGGATCCCCCGG

Sequence 12
CCGCGGTGGCGGCCGAGGTACTGTGGATATTTAAAATATCACAGTAACAAGATCATGCTT
GTTCCTACAGTATTGCGGGCCAGACACTTAAGTGAAAGCAGAAGTGTTTGGGTGACTTTC
CTACTTAAAATTTTGGTCATATCATTTCAAAACATTTGCATCTTGGTTGGCTGCATATGC
TTTCCTATTGATCCCAAACCAAATCTTAGAATCACTTCATTTAAAATACTGAGCGGTATT
GAATACTTCGAAGCAGAACAGGCAATGTGCAGCCCTCATTTATGAGAAAACCCTCAGGAA
ACTCCCAGGGTGATGCTTGGAGAAGCTGTGAGTTGAGCTGAAGCTGGAGAACTTCCTCCA
GAGCAAAGGGCTTAAGAAAGAAAGAAGAACTCTAAGCTGGGTCTGCTAACATCACTCCAG
TTTAGATGGATCTTGGCAGAGAGACATGCTTGTTCCTCTGGATTGGAAAGATGATTTACT
CTCGGGAATCTTCTCTGTCAGCCTGTACCTGCCCGGGCGGCCGCCCCGGGCAGGTACACC
TTGAATGACAATGCTTCGGAGCTNCCCTGTGGGCCATCGACCCTTCCTGCCATTGATGCA
CCATCCAACCTGCGTTTCTGGNCACCACACCCAAATTCCT

Table 2

Sequence 13
AGGTACCACATCTTAAATACTCTCCAGTGTTCTGAGTCTATTATGGGAGGAGCAGTCTTT
GAGACGCTGGAAGGAAATACAATTGAGATAGGATGTGACGGTGACAGTATAACAGTAAAT
GGAATCAAAATGGTGAACAAAAAGGATATTGTGACAAATAATGGTGTGATCCATTTGATT
GATCAGGTCCTAATTCCTGATTCTGCCAAACAAGTTATTGAGCTGGCTGGAAAACAGCAA
ACCACCTTCACGGATCTTGTGGCCCAATTAGGCTTGGCATCTGCTCTGAGGCCAGATGGA
GAATACACTTTGCTGGCACCTGTGAATAATGCATTTTCTGATGATACTCTCAGCATGGAT
CAGCGCCTCCTTAAATTAATTCTGCAGAATCACATATTGAAAGTAAAAGTTGGCCTTAAT
GAGCTTTACAACGGGCAAATACTGGAAACCATCGGAGGCAAACAGCTCAGAGTCTTCGTA
TATCGNACCTCNGGCCGCTCTAGAACTAGTG

Sequence 14
CCGGGCAGGTACCTTTCCAATTTGGAGCTAGAAATGGACGAGGAGAGTCTTCAGACATTA
TCTCTGCAGTGTGAGCCAGCAACCAACACATTGCCTAAGAATCCTGGTGACAAAAAGCCT
GTCAAATCCGAGACCTCTCCAGTAGCTCCAAGGGCAGGGTCACAACAGAAAGCTCAGTCC
CTGCCACAGCCCCAGCAGCAGCCACCACCAGCACATAAAATCAACCAGGGACTACAGGTT
CCCGCCGTGTCCCTTTATCCTTCACGGAAGAAAGTGCCCGTAAAGGATCTCCCACCTTTT
GGCATAAACTCTCCACAAGCTTTAAAAAAAATTCTTTCTTTGTCTGAAGAAGGAAGTTTG
GAACGTCACAAGAAACAGGCTGAAGATACAATATCAAATGCATCTTCGCAGCTTTCTTCT
CCTCCTACTTCTCCACAGAGTTCTCCAAGGAAAGGCTATACTTTGGC

Sequence 15
CCGGGCAGGTACTGAGGAATGAATAGAAAGGCTTCCAGATGTCTAAAAGATTCTTTAAAC
TACTGAACTGTTACCTAGGTTAACAACCCTGTTGAGTATTTGCTGTTTGTCCAGTTCAGG
AATTTTTGTTTTGTTTTGTCTATATGTGCGGCTTTTCANAAGAAATTTAATCAGTGTGAC
AGAAAAAAAATGTTTTATGGTAGCTTTTACTTTTTATGAAAAAAAAATTATTTGCCTTTT
AAATTCTTTTCCCCCATCCCCCTCCAAAGTCTTGATAGCAAGCGTTATTTTGGGGGTAGA
AACGGTGAAATCTCTAGCCTCT

Sequence 16
CACCGTGGTGGCGGCCGAGGTACATGGATGAAAACTAAAGGCTCGAGTTAATCACATTGT
AGTTTTTAAATTTCTACAGCCTAGAGCTCACTAGTCACAGGTCTTTTAGGTCCTTCTGGA
TGTCCCACAGGGTATCTGCACTTTTCTTGAGCTGAGCAACCTCATCATCCTTTAGCTTCT
GGTTGATAACGCTGGTTAATCCCCGGGCATTGAGGATACATGGAAGGCTCAGGAAGACTT
CATTCTCAATGCCATACATCCCCTTTACCATTGTTGACACGGGATGAATCCTGGATAGAT
TTTTCAACATGGATTCAATAAGATCAGCCACACTTAATCCAATAGCCCAGTTGGTATATC
CTTTTAGCTTGGTGACTTCATAGGCACTTTCAACCACCATCTTATGCACTTCCTTCCAAT
TTTCACTATCATTGTCAGTTCCCATTTCTGGATTCAATTCCTGGAGAGAAACACCTGCCA
CATTCACACCACTCCACACAGCCACACTTGAGCGCCATGTTCCCCCAAAATCCATCCATG
GCAGCTGCTGGGATGAATGCCAAGTTTTTCAGCCATAAGGGNAGCGAAATCTAGCAGAAT
CCAGATTACATCCACTTCCAATCACGCGGNGTTTGGGTAATNCACTTAGTTTCCAGGGTA
GCATACCGTAAAGNAATGTCCACTGGGGTGG

Sequence 17
GGTGGCGGCCGAGGTACACAGCCAGTGTGGTTGCCTTGCACGATGATATGGAGAGCCAGC
CCCTGATTGGAACCCAGTCCACAGCTATTCCTGCACCAACTGACCTGAAGTTCACTCAGG
TCACACCCACAAGCCTGAGCGCCCAGTGGACACCACCCAATGTTCAGCTCACTGGATATC
GAGTGCGGGTGACCCCCAAGGAGAAGACCGGACCAATGAAAGAAATCAACCTTGCTCCTG
ACAGCTCATCCGTGGTTGTATCAGGACTTATGGTGGCCACCAAATATGAAGTGAGTGTCT
ATGCTCTTAAGGACACTTTGACAAGCAGACCAGCTCAGGGAGTTGTCACCACTCTGGAGA
ATGTCAGCCCACCAAGAAGGGCTCGTGTGACAGATGCTACTGAGACCACCATCACCATTA
GCTGGAGAACCAAGACTGAGACGATCACTGGCTTTCA

Sequence 18

Table 2

AGGTACAGTCCTGATTGCATCATAATTGTGGTTTCCAACCCAGTGGACATTCTTACGTAT
GTTACCTGGAAACTAAGTGGATTACCCAAACACCGCGTGATTGGAAGTGGATGTAATCTG
GATTCTGCTAGATTTCGCTACCTTATGGCTGAAAAACTTGGCATTCATCCCAGCAGCTGC
CATGGATGGATTTTGGGGGAACATGGCGACTCAAGTGTGGCTGTGTGGAGTGGTGTGAAT
GTGGCAGGTGTTTCTCTCCAGGAATTGAATCCAGAAATGGGAACTGACAATGATAGTGAA
AATTGGAAGGAAGTGCATAAGATGGTGGTTGAAAGTGCCTATGAAGTCATCAAGCTAAAA
GGATATACCAACTGGGCTATTGGATTAAGTGTGGCTGATCTTATTGAATCCATGTTGAAA
AATCTATCCAGGATTCATCCCGTGTCAACAATGGTAAAGGGGATGTATGGCATTGAGAAT
GAAGTCTTCCTGAGCCTTCCATGTATCCTCAATGCCCGGGGATTAACCAGCCGTTATNAA
CCAGAAACTAAAGGAT
Sequence 19
AGGTACTGAGGAATGAATAGAAAGGCTTCCAGATGTCTAAAAGATTCTTTAAACTACTGA
ACTGTTACCTAGGTTAACAACCCTGTTGAGTATTTGCTGTTTGTCCAGTTCAGGAATTTT
TGTTTTGTTTTGTCTATATGTGCGGCTTTTCAGAAGAAATTTAATCAGTGTGACAGAAAA
AAAAATGTTTTATGGTAGCTTTTACTTTTTATGAAAAAAAAATTATTTGCCTTTTAAATT
CTTTTCCCCCATCCCCCTCCAAAGTCTTGATAGCAAGCGTTATTTTGGGGGTAGAAACGG
TGAAATCTCTAGCCTCTTTGTGTTTTTGTTGTTGTTGTTGCTGTTTTATATAATGCA
TGTATTCACTAAAATAAAATTTAAAAAACTCCTGTCTTGCTAGACAAGGTTGCTGTTGTG
CAGTGTGCCTGTCACTACTGGNCTGTACCT
Sequence 20
CCGGACAGGTACATGAAGCACAAAAAGACTGTCGCTCAGGCTGCTGACAGAGATTCCGGT
CAGGTTGGCGTAATCAATCCTCTGCTTGACTTTGGCGTCCTCCACGATGACGACGGCGTT
GGGCGTGAGCAGCAGCTGCCGGGAGCGAGGCTTGTAGCCCTTGCGGTCGTATTTCACAAC
AGGCACCGCATACTGAATGGGCTCAGAGCCCAAGGCCTGCAGCACTCGGGGGCTGATCTC
ATCTGTACCT
Sequence 21
AGGTACTTGTCCCGGCCTTGCCTCATGTTCTCGTTGTGGATGATGTCATTGTGGGTCCTC
TTATTCTCATCTCGGGCCTGGGACAGCTCGCTGCTCAGCGTCAGCAGCTGCCGCTGCACA
CGCTCGTTCTTCTCTGCCTCAGTGATGCGCTTCTCCTCATTGCGGTCATCCCGGATGCCC
TCACTAGACAGCTCCGCGCTGTAGCCCGTGGGCTCTGCGCCCTCATCCTGCAAGCTCTCC
TGGACATGGTAGCTCACCGGCTCGTACCTGCCCG
Sequence 22
AGGTACGATATACGAAGACTCTGAGCTGTTTGCCTCCGATGGTTTCCAGTATTTGCCCGT
TGTAAAGCTCATTAAGGCCAACTTTTACTTTCAATATGTGATTCTGCAGAATTAATTTAA
GGAGGCGCTGATCCATGCTGAGAGTATCATCAGAAAATGCATTATTCACAGGTGCCAGCA
AAGTGTATTCTCCATCTGGCCTCAGAGCAGATGCCAAGCCTAATTGGGCCACAAGATCCG
TGAAGGTGGTTTGCTGTTTTCCAGCCAGCTCAATAACTTGTTTGGCAGAATCAGGAATTA
GGACCTGATCAATCAAATGGATCACACCATTATTTGTCACAATATCCTTTTTTGTTCACCA
TTTTGATTCCATTTACTGNTATACTGNCACCGTCACATCCTATCTCAATTGTATTTCCTT
CCAGCGTCTCAAAGACTGCTCCTCCCATAATAGACTNAGGAACACTGGAGAGTATTTAAG
ATGTGGTACCTCGGCCGCTCTAN
Sequence 23
CTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGACTTTTTAAATCATGTT
CCCCCTAAACATGGCTGTTAACCCACTGCATGCAGAAACTTGGATGTCACTGCCTGACAT
TCACTTCCAGAGAGGACCTATCCCAAATGTGGAATTGACTGCCTATGCCAAGTCCCTGGA
AAAGGAGCTTCAGTATTGTGGGGCTCATAAAACATGAATCAAGCAATCCAGCCTCATGGG
AAGTCCTGGCACAGTTTTTGTAAAGCCCTTGCACAGCTGGAGAAATGGCATCATTATAAG
CTATGAGTTGAAATGTTCTGTCAAATGTGTCTCACATCTACACCGTGGCTTGGAGGCTTT
TATGGGGCCCTGTCCAGGTAGAAAAGAAATGGTATGTAGAGCTTANATTTCCCTATTGTG

Table 2

ACAGAGCCATGGTGTGTTTGTNATAATAAAACCCCGNGAAANAACNNATTTNAGGGNGCT
TGTACCCTTGGCCGNTNTTAAGAAACCTAAGNGGGATNCCCCCGGGGCTGCCANGGNNAT
TCCGAATATCAAAGCCTTNATCTGNNAACCCGCCNNACCCCCTANGGGGGGGGGGCC
Sequence 24
CCGCGGTGGCGGCCGAGGTACCGGAGACAGGTGCAGTCCCTCACCTGTGAAGTGGATGCC
CTTAAAGGAACCAATGAGTCCCTGGAACGCCAGATGCGTGAAATGGAAGAGAACTTTGCC
GTTGAAGCTGCTAACTACCAAGACACTATTGGCCGCCTGCAGGATGAGATTCAGAATATG
AAGGAGGAAATGGCTCGTCACCTTCGTGAATACCAAGACCTGCTCAATGTTAAGATGGCC
CTTGACATTGAGATTGCCACCTACAGGAAGCTGCTGGAAGGCGAGGAGAGCAGGATTTCT
CTGCCTCTTCCAAACTTTTCCTCCCTGAACCTGAGGGAAACTAATCTGGATTCACTCCCT
CTGGTTGATACCCACTCAAAAAGGACA
Sequence 25
AGGTACTACTTCTTGGTTAAAAGGCCACTGGTAGAGTCATCTGAGTGTAGAGAATGTCCC
TTCACTGCTGGAAAAATCCACTGGCTCCCAAGAAAAGAAAATGGTCTGAAGCCTCTGTTG
TGGCTCTCACAACTCATCTTTCCCTAAGTCATCAAGCTCCACATCGCTGAGGTCAATGTC
ATCCTCCACGGGAAGCTCGCCATCCCTGCCGTCCCAAGGCTCTCTCTCAACGATGGTAGG
GAAAGCCCCGCCTCCTACAGGTGCCGTGGAGCCACGCCCAAAAGAGAGCTCCCTGAGAAA
CTCGTTGATGCCTTGCTCACTGAAGGAGCCTTTTAGCAGAGCAAATTTCATCTTGCGTGC
ATTGATGGCGGCCATGGCGGGGTACCTCGGC
Sequence 26
CCTATTCACTATAGGGCGANNTGCANGCGTGGTGGCGGCCCGAGGTACTGTGGATATTTA
AAATATCACAGTAACAAGATCATGCTTGTTCCTACAGTATTGCGGGCCAGACACTTAAGT
GAAAGCAGAAGTGTTTGGGTGACTTTCCTACTTAAAATTTTGGTCATATCATTTCAAAAC
ATTTGCATCTTGGTTGGCTGCATATGCTTTCCTATNGATCCCAAACCAAATCTTAGAATC
ACTTCATTTAAAATACTGAGCGGTATTGAATACTTCGAAGCAGAACAGGCAATGTGCAGC
CCTCATTTATGAGAAAACCCTCAGGAAACTCCCAGGGTGATGCTTGGGAGGAAGCTGNGA
GTTGAGCTGGAAGCTGGAGAACTTCCTNCAGGAGGCAGAAGGGCTTAAGAAAAGGAAAGG
AAGGAACTCTAAGCTTGGGGTCTGCTAACATCACTCCAGTTTAGATGGGATCTTGGGCAG
AGAGGACCATGGCCTTGTNTCCCTCTGGG
Sequence 27
CGAGGTACAGGAACTGTCACCGTGTCAACCTGATGGGGAGATATGGGGACAATAACCACA
GTCAGGGCGTTAACTGGTTCCACTGGAAGGGCCACGAACACTCAATCCAGTTTGCTGAGA
TGAAGCTGAGACCAAGCAACTTCAGAAATCTTGAAGGCAGGCGCAAACGGGCATAAATTC
CAGGGACCACTGGGTGAGAGAGGAATAAGGCCCAGAGCGAGGAAAGGATTTTACCAAAGC
ATCAATACAACCAGCCCAACCATCGGTCCACACCTGGGCATTTGGTGAGAGTCAAAGCTG
ACCATGGATCCCTGGGGCCAACGGCAACAGCATGGGCCTCACCTCCTCTGTGATTTCTTT
CTTTGCACCAAAGACATCAGTCTCCAACATGTTTCTGTTTTGTTGTTTGATTCAGCAAAA
ATCTCCCAGTGACAACATCGCAATAGTTTTTTACTTCTCTTAGGTGGCTCTGGGAATGGG
AGAGGGTAGGATGTACCT
Sequence 28
AGGTACTCAGGGGAGGCCAGGAAGGCCTTGAGCTTGGGCCGGGCACTGAGGCGCCCCACA
TATGCTGAGAGCAGGGGGAACGCATCCAGGCAGCCAGGGGCTAGGACCTCATGGATCAGC
AGCAAGTCCAGCAGGTTGTAGTCAGCGAAGGAGATCTGGTCTCCCACAATGAAGGTCTTG
CCTCCCTGGTTCTGGGACAGCAGGGTCTCAAAAGGCTTCAGTTGCCCGGGCAGTGCCTTC
ACATAGTCATCCTTGCCCGCCTCATAGTTGGTGTAGATGAGGGAGATGTATTTGCAGCGG
AGGTCCTCCACGCCGTCATTCACCATGTCCACCAGGGCTGCCTCCTGCTGGTCCTTCCCA
TAGAGCCCAAGGGTGCGGCCCAGGTGACGCAGGATGGTATTGGACTGGTACCT
Sequence 29
AGGTACTTGAGCTGTGAGGTCATCGGAATCCCGACACCTGTCCTCATCTGGAACAAGGTA

Table 2

AAAAGGGGTCACTATGGAGTTCAAAGGACAGAACTCCTGCCTGGTGACCGGGACAACCTG
GCCATTCAGACCCGGGGTGGCCCAGAAAAGCATGAAGTAACTGGCTGGGTGCTGGTATCT
CCTCTAAGTAAGGAAGATGCTGGAGAATATGAGTGCCATGCATCCAATTCCCAAGGACAG
GCTTCAGCATCAGCAAAAATTACAGTGGTTGATGCCTTACATGAAATACCAGTGAAAAAA
GGTGAAGGTGCCGAGCTATAAACCTCCAGAATATTATTAGTCTGCATGGTTAAAAGTAGT
CATGGATAACTACATTACCTGTTCTTGCCTAATAAGTTTCTTTTAATCCAATCCACTAAC
ACTTTAGTTATATTCACTGGTTTTACACAGAGAAATACAAAATAAAGATCACACATCAAG
ACTATCTACAAAAATTTATTATATATTTACAGAAGAAAAGCATGCATATCATTAAACAAA
.TAAAATACTTTTTTATCATAAAAAAAAAAAAAAAAAAAAAAAAACCTCGGCCGCT
Sequence 30
AGGTACATGGATGAAAACTAAAGGCTCGAGTTAATCACATTGTAGTTTTTAAATTTCTAC
AGCCTAGAGCTCACTAGTCACAGGTCTTTTAGGTCCTTCTGGATGTCCCACAGGGTATCT
GCACTTTTCTTGAGCTGAGCAACCTCATCATCCTTTAGCTTCTGGTTGATAACGCTGGTT
AATCCCCGGGCATTGAGGATACATGGAAGGCTCAGGAAGACTTCATTCTCAATGCCATAC
ATCCCCTTTACCATTGTTGACACGGGATGAATCCTGGATAGATTTTTCAACATGGATTCA
ATAAGATCAGCCACACTTAATCCAATAGCCCAGTTGGTATATCCTTTTAGCTTGATGACT
TCATAGGCACTTTCAACCACCATCTTATGCACTTCCTTCCAATTTTTCACTACCATTGTCA
GTTCCCATTTCTGGATTCAATTCCTGGAGAGAAACACCTGCCACATTCACACCACTCCAC
ACAGCCACCACTTGAGTCGCCATGTTCCCCCAAAATCCATCCATGGCAGCTGCTGGGATG
AAT
Sequence 31
AGGTACTGCAGGGCCCCTCAAGGAGGATACTACAAAACAGCCCTGGGAACCAGGTGCGAC
ATTCACTGCCAGAAGGGCTACGAGCTGCATGGCTCTTCCCTACTGATCTGCCAGTCAAAC
AAACGATGGTCTGACAAGGTCATCTGCAAACAAAAGCGANGTCCTACCCTTGCCATGCCA
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TGTTCACCAGGATACACCGTTGAAAGGGGAGCGGACCGTCACATGTATGGACAACAAGGC
CTGGA
Sequence 32
GTGGTCATCGACGCCTCCACTGCCATTGATGCACCATCCAACCTGCGTTTNCTGGCCACC
ACACCCAATTCCTTGCTGGTATCATGGCAGCCGCCACGTGCCAGGATTACCGGCTACATC
ATCAAGTATGAGAAGCCTGGGTCTCCTCCCAGAGAAGTGGTCCCTCGGCCCCGCCCTGGT
GTCACAGAGGCTACTATTACTGGCCTGGAACCGGGAACCGAATATACAATTTATGTCATT
GCCCTGAAGAATAATCAGAAGAGCNAGCCCCTGATTGGAAGGAAAAAGACAGGACANGAA
GCTCTNTNTCAGACAACCATCTCATGGGCCCCATTCCAGGACACTTNTGAGTACCT
Sequence 33
AGGTACAGGCTGACAGAGAAGATTCCCGAGAGTAAATCATCTTTCCAATCCAGAGGAACA
AGCATGTCTCTCTGCCAAGATCCATCTAAACTGGAGTGATGTTAGCAGACCCAGCTTAGA
GTTCTTCTTTCTTTCTTAAGCCCTTTGCTCTGGAGGAAGTTCTCCAGCTTCAGCTCAACT
CACAGCTTCTCCAAGCATCACCCTGGGAGTTTCCTGAGGGTTTTCTCATAAATGAGGGCT
GCACATTGCCTGTTCTGCTTCGAAGTATTCAATACCGCTCAGTATTTTAAATGAAGTGAT
TCTAAGATTTGGTTTGGGATCAATAGGAAAGCATATGCAGCCAACCAAGATGCAAATGTT
TTGAAATGATATGACCAAAATTTTAAGTAGGGAAAGTCACCCAAACACTTCTGCTTTTCA
CTTAA
Sequence 34
CCGCGGTGGCGGCCGAGGTACACGTCCTGATTGCATCATAATTGTGGTTTCCAACCCAGT
GGACATTCTTACGTATGTTACCTGGAAACTAAGTGGATTACCCAAACACCGCGTGATTGG
AAGTGGATGTAATCTGGATTCTGCTAGATTTCGCTACCTTATGGCTGAAAAACTTGGCAT
TCATCCCAGCAGCTGCCATGGATGGATTTTGGGGGAACATGGCGACTCAAGTGTGGCTGN
GTGGAGTGGTGTGAATGTGGCAGGTGTTTCTCTCCAGGAATTGAATCCAGAAATGGGAAC

Table 2

TGACAATGATAGTGAAAATTGGAAGGAAGTGCATAAGATGGTGGTTGAAAGT
Sequence 35
CCGGGCAGGTACATGACCCCTTCATTGGTTGTGCAGATTTCCTCGTGGGCAGCCATGGGG
CAGAACCCAAACTTCTGGTCGGCATCATAGTTCTGTGTGGTCCCACACCACTTCATGTTG
TCTCTTCTGCCCTCAGAAGTGCAATCAGTGTAATTGTGGTTGTTGTATAGGAAGGGGAAG
TGGCACAAGGCACCATTGGAATTTCCTNCTNGAGTCTGAACCAAAACAGTGTGGNCTGTG
CANAAAGAGTATTTCTGGTCCTGCTCATAANTCGAAGTTGTGCTGCACCAAAAGATGTNC
GTCCTGTCGCCCTTCTGTGGTGCAGGAGTAGAACGTCCTGCCATTGTAGGTTGAATGG
Sequence 36
AGGTCTAACATCCCTAGCAGCCTTCCTCAGGCACACTGTGACAGTGGAGTGGGCACACGT
ATCGTTTCAGGCACCTTGGCTGACAGCCCAACGCGGCCACCTGGGTGCATGGACATTTGC
AGCTGCCACCATGCCAGCACCCTGGCCACAGATTAGCTCAACTGGCCACAGTCTGTGATG
ACAATCTTCTTGGATGTCCTCCCACTCTTAGAGCCGAAAGATTCTATTTTCTTCACGACG
TCCATGCCCTCTTTGACGTGACCGAACACAACATGCTTGCCATCCAACCAGTCTGTCTTT
ATGGTGCAGATGAAGAACTGGGAGCCGTTGGTGTTAGGACCAGCATTAGCCATGGACAGG
ACACCTGGCCCCACGTGCTTCAGTGCAAAGTTCTCGTCAGGAAAAGCGGCTTCCGTAGAT
GGACTTCCCGCCTGTGCCATTGTGGTTGGTGAAGTCGCCCGCCTGGCACATGAAGGAANG
GGATCACCCTGTGGAAGGGTGGAGCCTTTGTAGCCGAAGCCCTTTCTTACCAGTGCACAG
GGCTCTGAAGTTTTTAGCTGTCTTTTGGGACGACATCTGCCTTCAGCTTCAGCACCACGC
CGGGCCGTTNTAGAACTTAGNGGATCCCCCCGGGCTTGCANGGAATTCGATATCAAGCTT
TATCGATACCGTCCNACCTCGAGGGGGG
Sequence 37
CCGCGGTGGCGGCCGAGGTACAAGCTTTTTTTTTTTTTTTTTTTTTTTTGCTGGTAATATAT
TGCTGCACTGAGTGTGTGCAATTTTTTATTCAAGGTCATCGTGATGCTGAGAAGTTTCGTT
GATAACCTGTCCATCTCTAGTTTCAACCGTCTTAATCAGAAGTGTCCTTTTTGAGTGGGT
ATCAACCAGAGGGAGTGAATCCAGATTAGTTTCCCTCAGGTTCAGGGAGGAAAAGTTTGG
AAGAGGCAGAGAAATCCTGCTCTCCTCGCCTTCCAGCAGCTTCCTGTAGGTGGCAATCTC
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TTCCTCCTTCATATTCTGAATCTCATCCTGCAGGCGGCCAATAGTGTCTTGGTAGTTAGC
AGCTTNAACGGCAAAGTTCTCTTCCATTTCACGCATNTGGCGTTCCAGGGACTCATTGGG
TTCCTTTAAGGGCATCCACTTCCAGGTGAGGGACTGCACCTGTCTCCGGTACCTN
Sequence 38
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TCCTAAGTCTGTCCTATGCAATATATATTTTATATACATATATATTTTTACATAGAATAC
CCACAAAGTGCAAGCCAATAATAACATTGCAGAAAAGTAATACATATCTGCTAGGTGACA
ATATCAAACAATTCAGGGAATAATTTTACTTTAATTAACATTAACAGAATTTCTTTTTCC
ACTTCAAATCAATCATATTTCTGTCATCTNCAACCTAAGTATATTTTTTAGATTGTCTCCC
TATTCTTTGATTCAAAAGCCAATTACAGAAACTATGAACTTGACCTAATTCTGGTTTTTG
ACAATTATGAGACAGAAATAAAGAAATGCAAGCAGTTCTTTTCTTTGCACACTGACCATT
TTTTAATTACATCATCCTCTATGATGATGGNGCTTTCACAACTGCAGCTCTCCTGTATGT
CAAAATCATTCTGGTTTCCAGGTNAATGGACAAAGGAGATTTGCCTTCAGTGTCTAGAAG
GCAATTTACTTTTTCAGGCTGCCTTAATTACCTATAGGTT
Sequence 39
CCGCGGTGGCGGCCGAGGTACTCCAGGCCGGGACTCAGGTTATCAAAAGTGCAGGAGCTC
TGATCAGCATGGACCACTTCTTCCAAAGAATTTCCCTGCTGGCCGTTTGTAGGGGTTGTG
GTAATTCTATAACCAGTAATGTCTGGGGTGGTGCTCCTCTCCCAGGAGACTGTGAGCACT
CCAGTGTCAGGGTTTGCCTCCAGATGCAAGTTTGTTGGTGGAGACAATGGTGTCACCACT
TTGTTTACAATTGGCGCATCTCTTTCCTGTCCATCTCTCAGGACTTGGATGGTGTAGACC
GTATTCTACTCCTGGAGTCAAGCCGGACACAACGATGCTTCCTGAGTCTGAAGTCACTTN

Table 2

TCGTGGTGCCTCTCCTCCCTGGCTTGGTCGTACCTCGGCCGCTCTAGAACTAGTGGGATC
CCCCGGGCTGCA
Sequence 40
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CTTAAAGGAACCAATGAGTCCCTGGAACGCCAGATGCGTGAAATGGAAGAGAACTTTGCC
GTTGAAGCTGCTAACTACCAAGACACTATTGGCCGCCTGCAGGATGAGATTCAGAATATG
AAGGAGGAAATGGCTCGTCACCTTCGTGAATACCAAGACCTGCTCAATGTTAAGATGGCC
CTTGACATTGAGATTGCCACCTACAGGAAGCTGCTGGAAGGCGAGGAGAGCAGGATTTCT
CTGCCTCTTCCAAACTTTTCCTCCCTGAACCTGAGGGAAACTAATCTGGATTCACTCCCT
CTGGTTGATACCCACTCAAAAAGGACACTTCTGATTAAGACGGTTGAAACTAGAGATGGA
CAGGTTATCAACCGAAACTTCTCAGCATCACGATGACCTTGAATAAAAATTGCACACACT
CAGTGCAGCAATATATTACCAGCCAGAATAAAAAAGAAATCCATATCTTAAAGAAACAGC
TTTCAAAGTGCCCTTTCTTGCAGTTTTTCAAGGAGCGCAAGGAATAGATTTTGGAATAGG
GAATAAAGCTCTAGTTTCTTAACAAACCCGACCACTTTCTTACAAGGATTTAGAAAAAAA
AGTTTACCAACNATAATCTAAGTATNNCCGGAAAAAAAANCTTTGNGGCTTAGAATACTTT
TTTTAAAAAAGGNATTTTTTGGAATACTTTTTTAAAAAAACTGGNNTTTTTT
Sequence 41
CCGCGGTGGCGGCCGAGGTACGATATACGAAGACTCTGAGCTGTTTGCCTCCGATGGTTT
CCAGTATTTGCCCGTTGTAAAGCTCATTAAGGCCAACTTTTACTTTCAATATGTGATTCT
GCAGAATTAATTTTAGGAGGCGCTGATCCATACTGAGAGTATCATCAGAAAATGCATTAT
TCACAGGTGCCAGCAAAGTGTATTCTCCATCTGGCCTCAGAGCAGATGCCAAGCCTAATT
GGGCCACAAGATCCGTGAAGGTGGTTTGCTGTTTTCCAGCCAGCTCAATAACTTGTTTGG
CAGAATCAGGAATTAGGACCTGATCAATCAAATGGATCACACCATTATTTGTCACAATAT
CCTTTTTGTTCACCATTTTGATTCCATTTACTGTTATACTGTCACCGTCACATCCTATCT
CAATTGTATTTCCTTCCAGCCGTCTCAAAGACTGCTCCTCCCATAATAGACTCAGAACAC
TGGAGAGTATTTAAGATGTGGTACCT
Sequence 42
AGGTACTTCTGTTTAAGCCGGTCCATGAGCAGGCCATTCCAGGGGGCACACAGCACTCCG
AACTGAGTGAAGGCAAAGGCATTTGTGTAGGTGCTGACTCGTGCCATGTCCCCACCGGCC
ATGTTGGTCAGCAAGGAGTTGAGAGTGCCAATGAAGAGGTAGTGCCACAACTGTATCACA
GACAGCCACACCAGGTGCCAGGCAAAGCGCCGAGAGAAAGCGTAGCTCCAGAAGGAGCGG
AGTTCCTGCTTCTGCCCTGCCCCTGGGGTCTCTTCCTTCGCTGAAAGGAACTCCTTTGAC
TGTAGCTCCCTGTTTTCATGCTCAGCTGCTTCCTTCTCTTCCTTTGTGGNGCCATTCCCA
GGGCACAGGCCATAGCTGTAGTTGGGGGGCAGTGGGTATGGGATGTGCCCCCGGGGGCAT
NAAGAGGAAAAGTGCCNTGCTTCATGCCAGGTTACCTTNGCCGCTCTAGAAACTAGTTGG
ATCCCCCGGGCTGCAGGGAATTCNATATCAAAGCTTNATCGATACCCGNCCGAACCTTCG
NAGGGGGG
Sequence 43
AGGTACAGCTGTCTGCATTGAAAATTCATGCATGGAGAAAGGGAGTAAGCAAGGGAGAAA
CGGTGCGATTCACATATTCCGCGAGATCATCAAGCCAGCAGAGAAATCCCTCCATGAAAA
GTTAAAACAAGATAAGCGCTTTAGCACCTTCCTCAGCCTACTTGAAGCTGCAGACTTGAA
AGAGCTCCTGACACAACCTGGAGACTGGACATTATTTGTGCCAACCAATGATGCTTTTAA
GGGAATGACTAGTGAAGAAAAGAAATTCTGATACGGGACAAAAATGCTCTTCAAAACAT
CATTCTTTATCACCTGACACCAGGAGTTTTCATTGGAAAAGGATTTGAACCTTGGTGTTA
CTAACATTTTAAAGACCACACAAGGAAGCAAATCTTTCTGAAAGGAAGTAAATGATACA
CTTCTGGTGAATGAATTGAAATCAAAGAATCTGACATCATTGACAACAAATGGTGTAAT
TCATGTTGTAAGATAAACTCCTCTATCCAGCAGACACACCTGTTGGAAAATGATCAACTG
CTGGNAATNCTTAATAAAATTAATCAAATCCATCCAAATTTAAGTTTGTTCGGGGTAGCAC
CTTCAAANGAAATCCCCGNGACTGTNTNTAAGCCAATTNTTAAAAAATCN

Table 2

Sequence 44
AGGTACTTGAGCTGTGAGGTCATCGGAATCCCGACACCTGTCCTCATCTGGAACAAGGTA
AAAAGGGGTCACTATGGAGTTCAAAGGACAGAACTCCTGCCTGGTGACCGGGACAACCTG
GCCATTCAGACCCGGGGTGGCCCAGAAAAGCATGAAGTAACTGGCTGGGTGCTGGTATCT
CCTCTAAGTAAGGAAGATGCTGGAGAATATGAGTGCCATGCATCCAATTCCCAAGGACAG
GCTTCAGCATCAGCAAAAATTACAGTGGTTGATGCCTTACATGAAATACCAGTGAAAAAA
GGTGAAGGTGCCGAGCTATAAACCTCCAGAATATTATTAGTCTGCATGGTTAAAAGTAGT
CATGGATAACTACATTACCTGTTCTTGCCTAATAAGTTTCTTTTAATCCAATCCACTAAC
ACTTTAGTNATATTCACTGGNTTTACACCNGAGAAATACAAAATAAAGGATCACACATCA
AGACTATCTNCNNGAAAAAAAATNNCNNTAAATNAAAANGGCTTGTCCCTNGGCCGTTCT
TANAACTAGNG
Sequence 45
AGGTACGATATACGAAGACTCTGAGCTGTTTGCCTCCGATGGTTTCCAGTATTTGCCCGT
TGTAAAGCTCATTAAGGCCAACTTTTACTTTCGATATGTGATTCTGCAGAATTAATTTAA
GGAGGCGCTGATCCATGCTGAGAGTATCATCAGAAAATGCATTATTCACAGGTGCCAGCA
AAGTGTATTCTCCATCTGGCCTCAGAGCAGATGCCAAGCCTAATTGGGCCACAAGATCCG
TGAAGGTGGTTTGCTGTTTTCCAGCCAGCTCAATAACTTGTTTGGCAGAATCAGGAATTA
GGACCTGATCAATCAAATGGATCACACCATTATTTGTCACAATATCCTTTTTGTTCACCA
TTTTGATTCCATTTACTGTTATACTGTCACCGTCACATCCTATCTCAATTGTATTTCCTT
CCAGCGTCTCAAAGACTGCTCCTCCCATAATAGACTCAGAACACTGGAGAGTATTTAAGA
TGTGGTACCTT
Sequence 46
GGAGCTCCCCGCGGTGGCGGCCGAGGTACTCAGAAGTGTCCTGGAATGGGGCCCATGAGA
TGGTTGTCTGAGAGAGAGCTTCTTGTCCTACATTCGGCGGGTATGGTCTTGGCCTATGCC
TTATGGGGGTGGCCGTTGTGGGCGGTGTGGTCCGCCTAAAACCATGTTCCTCAAAGATCA
TTTGTTGCCCAACACTGGGTTGCTGACCAGAAGTGCCAGGAAGCTGAATACCATTTCCAG
TGTCATACCCAGGGTGGGTGACNAAAGGGGTCTTTTGAACTGTGGAAGGAACATCCAAGA
TCTCTGGTCCATGAAGATTGGGGTGTGGAAGGGTTACCAGTTGGGGAAGCTCGACTGTCT
TTTTCCTTCCAATCANGGGCTCGCTCTTCTGATTATNCTTNAGGGCCAATGACATNAATT
GCAATATTCGGTTCCCCGGTTTCCAGGGCCAACCAATANGGGCCCTCTTGGGACCGCCC
AAAGGANGGNGTTCCTTGNGGNNCAAATTTTTTNTTNGGAGNGAGCATNCAACCCTTTTG
GNNCGTTTCTTATGAAACTAAGTGGGATCCCCCCCNGGGCTTGGCAGNGNAATTCCGGAA
TTTTCCAAGNCTTATTCCATACCCCGGNCNACCCTTCGAGGG
Sequence 47
AGGTACGATATACGAAGACTCTGAGCTGTTTGCCTCCGATGGTTTCCAGTATTTGCCCGT
TGTAAAGCTCATTAAGGCCAACTTTTACTTTCAATATGTGATTCTGCAGAATTAATTTAA
GGAGGCGCTGATCCATGCTGAGAGTATCATCAGAAAATGCATTATTCACAGGTGCCAGCA
AAGTGTATTCTCCATCTGGCCTCAGAGCAGATGCCAAGCCTAATTGGGCCACAAGATCCG
TGAAGGTGGTTTGCTGTTTTCCAGCCAGCTCAATAACTTGTTTGGCAGAATCAGGAATTA
GGACCTGATCAATCAAATGGATCACACCATTATTTGTCACAATATCCTTTTTGTTCACCA
TTTTGATTCCATTTACTGTTATACTGTCACCGTCACATCCTATCTCAATTGTATTTCCTT
CCAGCGTCTCAAAGACTGCTCCTCCCATAATAGACTCAGAACACTGGAGAGTATTTAAGA
TGTGGTACCT
Sequence 48
CCGGGCAGGTACAAAGCAGGAGAATGATGCTCCCAGCTGAGCTGCAGGATGGGCGCTGGG
CTGACTGGAGGGGTAGACGGGGTGGGGTCTGACCCCATTAGCCTTTCCCCATCCAACCTG
GGCCCCCATAAGCCATTCTCTGGCCCTCTGCACAAGACAGACTCAGCAAATCTGCGAGGT
ATGGGGATTCTGCCAACTCCCCACCTCGCCTCACCTTCCCTAGGTCTGCCGGGTGACCCA
ATCCACTGGGTGCAGCCCCACCCCCGCTCAACCCCACATNTGGACAGACACATGGCAAAT

Table 2

ATGGAACTGAAGCCCGGCTGGGCTGGGAGCACATCTTGGTTGTTGTTGGGTTGGAGTCCG
TCTTGCANGTGTCCCAAGGTGGTCAGGCCTNACCCACAGTGGCCAGGTTTGAGACCGTGT
TTTT
Sequence 49
CTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGAGGAATGAATAG
AAAGGCTTCCAGATGTCTAAAAGATTCTTTAAACTACTGAACTGTTACCTAGGTTAACAA
CCCTGTTGAGTATTTGCTGTTTGTCCAGTTCAGGAATTTTTGTTTTGTTTTGTCTATATG
TGCGGCTTTTCAGAAGAAATTTAATCAGTGTGACAGAAAAAAAAATGTTTTATGGTAGCT
TTTACTTTTTATGAAAAAAAAATTATTTGCCTTTTAAATTCTTTTCCCCCATCCCCCTCC
AAAGTCTTGATAGCAAGCGTTATTTTGGGGGTAGAAACGGTGAAATCTCTAGCCTCTTTG
TGTTTTTGTTGCTGTTGTTGTTGTTGCTTTATATAATGCATGTNTTCCTAAAATAAAATT
TAAAAAA
Sequence 50
CACGCTGGTTTTGCATCTTCAGGAGACGCTCGTAGCCCTCGCGCTTCTCCTCGGCCAATT
CGCGGAAGAAGTGGCTCACGCCTTCCAGAGCCACATCATCGCGGTCGAAATAGAAGCCCA
GAGAGAGGTAGGTGTAGGAGGCCGNAAAAACGGTGCTGGCAGGTCCCAGAAGCAGGAGAT
GGCCGAGAAGATGGTCCCGGAGGTTGCAAGCGGAGAGGAAATCGGAGGGCGGTCGGAGGC
TGGAAGAGAGTCCCCGGATCTGTTCCGTCCAAACACTGTTGAAGCAAGAGACAGACCCGC
GGACCTGCCCG
Sequence 51
TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAACTTCATTGAACTGCCCTA
CCACGGGGAAAGCATCAGCATGCTGATTGCACTGCCGACTGAGAGCTCCACTCCGCTGTC
TGCCATCATCCCACACATCAGCACCAAGACCATAGACAGCTGGATGAGCATCATGGTGCC
CAAGAGGGTGCAGGTGATCCTGCCCAAGTTCACAGCTGTAGCACAAACAGATTTGAAGGA
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CAGTGAAGATGGAACCAAAGCTTCAGCAGCAACAACTGCAATTCTCATTGCAAGATCATC
GCCTCCCTGGTTTATAGTAGACAGACCTTTTCTGTTTTTCATCCGACATAATCCTACAGG
GTGCTGTGTTATTCATGGGGCAGATAAAACAAACCCTGAAGAGTATACAAAAGAAACCAT
GCAAAGCAACCGACTACTTTTGCTTACGAAGAAAGACTCCTTTCCTGCATCTTTTCATAG
GTCTGGTAAATATTTTTGTACCTCGGCCGGCTTCTAGAAACTAGTGGATCCCCCCGGGCT
TGCANGGAAATTCGANATCAAGGCTTATCGATACCCGGCCGACCTCGANGGGGGGGGGCC
CGGGTCCCCAAGCTTTTGGTT
Sequence 52
AGCTCCCCGCGGTGGCGGCCGAGGTACATCATTTCATGTCATCCTGTTGGCACTGATGAA
GAACCCTTACAGTTCAGGGTTCCTGGAACTTCTACCAGTGCCACTCTGACAGGCCTCACC
AGAGGTGCCACCTACAACATCATAGTGGAGGCACTGAAAGACCAGCANAGGCATAAGGTT
CGGGAAGAGGTTGTTACCGTGGGCAACTCTGTCAACGAAGGCTTGAACCAACCTACGGAT
GACTCGTGCTTTGACCCCTACACAGTTTCCCATTATGCCGTTGGAGATGAGTGGGAACGA
ATGTCTGAATCAGGCTTTAAACTGTTGTGCCAGTGCTTAGGCTTTGGAAGTGGTCATTTC
AGATGTGATTCATCTAGATGGTGCCATGACAATGGTGTGAACTACAAGATTGGAGAGAAG
TGGGACCGTCAGGGAGAAAATGGCCAGATGATGAGCTGCACATGTCTTGGGAACNGAAAA
AGGGAGAATTCAAGTGTGACCCTTATGAGGCAACCGTGTTACCGAT
Sequence 53
CCGCGGTGGCGGCCGAGGTACAGGCTGACAGAGAAGATTCCCGAGAGTAAATCATCTTTC
CAATCCAGAGGAACAAGCATGTCTCTCTGCCAAGATCCATCTAAACTGGAGTGATGTTAG
CAGACCCAGCTTAGAGTTCTTCTTTCTTTCTTAAGCCCTTTGCTCTGGAGGAAGTTCTCC
AGCTTCAGCTCAACTCACAGCTTCTCCAAGCATCACCCTGGGAGTTTCCTGAGGGTTTTC
TCATAAATGAGGGCTGCACATTGCCTGTTCTGCTTCGAAGTATTCAATACCGCTCAGTAT

Table 2

TTTAAATGAAGTGATTCTAAGATTTGGTTTGGGATCAATAGGAAAGCATATGCAGCCAAC
CAAGATGCAAATGTTTTGAAATGATATGACCAAAATTTTAAGTAGGAAAGTCACCCAAAC
ACTTCTGCTTTCACTTAAGTGTCTGGCCCGCAATACTGTAGGAACAAGCATGATCTTGTT
ACTGTGATATTTTAAATATCCACAGTCCT

Sequence 54

AGGTACGATATACGAAGACTCTGAGCTGTTTGCCTCCGATGGTTTCCAGTATTTGCCCGT
TGTAAAGCTCATTAAGGCCAACTTTTACTTTCAATATGTGATTCTGCAGAATTAATTTAA
GGAGGCGCTGATCCATGCTGAGAGTATCATCAGAAAATGCATTATTCACAGGTGCCAGCA
AAGTGTATTCTCCATCTGGCCTCAGAGCAGATGCCAAGCCTAATTGGGCCACAAGATCCG
TGAAGGTGGTTTGCTGTTTTCCAGCCAGCTCAATAACTTGTTTGGCAGAATCAGGAATTA
GGACCTGATCAATCAAATGGATCACACCATTATTTGTCACAATATCCTTTTTGTTCACCA
TTTTGATTCCATTTACTGTTATACTGTCACCGTCACATCCTATCTCAATTGTATTTCCTT
CCAGCGTCTCAAAGACTGCTCCTCCCATAATAGACTCAGAACACTGGAGAGTATTTAAGA
TGTGGTACCT

Sequence 55

CCGGGCAGGTACGAGTGGCAGTTGAGGGGATCCCCGTTGGTCAGCGCGAACTGCCCGTGG
GTCGGCTGGGTCGGCGGCATCCTGCCCCTCTGCACCGCAAAACCATATTTGCCTTGTTCA
AGGTCCCAAACCGCTTGCATCTTCCTCCTAAACTGGAATAACTCTCCTTTAGTTTGGCGG
GTGAAATAAATGCTTTGTTGGCCCCCTGAAAAGATGTGTCTTTGATAATTAAAGAGAATC
TCCTACCT

Sequence 56

CCGCGGTGGCGGCCGAGGTACAGGCTGACAGAGAAGATTCCCGAGAGTAAATCATCTTTC
CAATCCAGAGGAACAAGCATGTCTCTCTGCCAAGATCCATCTAAACTGGAGTGATGTTAG
CAGACCCAGCTTAGAGTTCTTCTTTCTTTCTTAAGCCCTTTGCTCTGGAGGAAGTTCTCC
ANCTTCAGCTCAACTCACAGCTTCTCCAAGCATCACCCTGGGAGTTTCCTGAGGGTTTTC
TCATAAATGAGGGCTGCACATTGCCTGTTCTGCTTCGAAGTATTCAATACCGCTCAGTAT
TTTAAATGAAGTGATTCTAAGATTTGGTTTGGGATCAATAGGAAAGCATATGCAGCCAAC
CAAGATGCAAATGTTTTGAAATGATATGACCAAAATTTTAAGTAGGAAAGTCACCCAAAC
ACTTCTGCTTTCACTTAAGTGTCTGGCCCGCAATACTGTAGGAACANGCATTGATCTTGT
TACTGGGATATTTTAAATATCCACAGTACCT

Sequence 57

AGGTACACCTTGAATGACAATGCTCGGAGCTCCCCTGTGGTCATCGACGCCTCCACTGCC
ATTGATGCACCATCCAACCTGCGTTTCCTGGCCACCACACCCAATTCCTTGCTGGTATCA
TGGCAGCCGCCACGTGCCAGGATTACCGGCTACATCATCAAGTATGAGAAGCCTGGGTCT
CCTCCCAGAGAAGTGGTCCCTCGGCCCCGCCCTGGTGTCACAGAGGCTACTATTACTGGC
CTGGAACCGGGAACCGAATATACAATTTATGTCATTGCCCTGAAGAATAATCAGAAGAGC
GAGCCCCTGATTGGAAGGAAAAAGACAGTTCAAAAGACCCCTTTCGTCACCCACCCTGGG
TATGACACTGGAAATGGTATTCAGCTTCCTGGCACTTCTGGTCAGCAACCCAGTGTTGGG
CAACAAATGATCTTTGAGGAACATGGTTTTAGGCGGACCACACCGCCCACAACGGGCACC
CCCATAAGGCATAGGCCAAGACCATACCCGCCGAATGTAGGTGAGGAAATCCAAATT

Sequence 58

CCGCGGTGGCGGCCGAGGTACTCAGAAGTGTCCTGGAATGGGGCCCATGAGATGGTTGTC
TGAGAGAGAGCTTCTTGTCCTACATTCGGCGGGTATGGTGTTGGCCTATGCCTTATGGGG
GTGGCCGTTGTGGGCGGTGTGGTCCGCCTAAAACCATGTTCCTCAAAGATCATTTGTTGC
CCAACACTGGGTTGCTGACCAGAANTGCCAGGAAGCTGAATACCATTTCCAGTGTCATAC
CCAGGGTGGGTGACGAAAGGGGTCTTTTGAACTGTGGAAGGAACATCCAAGATCTCTGGT
CCATGAAGATTGGGGTGTGGAAGGGTTACCAAGTTGGGGAAGCTCCGCTGTNTTTTTCCT
TCCAATCANGGGCTTTGTTCTTCCTGATTATTCTTCAGGGCAATGACATAAAATTTGTNT
ATTCCNGTTCCCCCGGGTT

Table 2

Sequence 59
AGGTACACAGTCAGTGTGGTTGCCTTGCACGATGATATGGAGAGCCAGCCCCTGATTGGA
ACCCAGTCCACAGCTATTCCTGCACCAACTGACCTGAAGTTCACTCAGGTCACACCCACA
AGCCTGAGCGCCCAGTGGACACCACCCAATGTTCAGCTCACTGGATATCGAGTGCGGGTG
ACCCCCAAGGAGAAGACCGGACCAATGAAAGAAATCAACCTTGCTCCTGACAGCTCATCC
GTGGTTGTATCAGGACTTATGGTGGCCACCAAATATGAAGTGAGTGTCTATGCTCTTAAG
GACACTTTGACAAGCAGACCAGCTCAGGGTGTTGTCACCACTCTGGAGAATGTCAGCCCA
CCAAGAAGGGCTCGTGTGACAGACGCTACTGAGACCACCATCACCATTAGCTGGAGAACC
AAGACTGAGACGATCACTGGCTTCCAAGTTGA
Sequence 60
AGGTCAAAGATTTATTGAAGCAGAACCAAGTTGGTTGGATACTTGCTGGAAAAAAAAAAA
GCAGTTTTAATAGTATTCAAAATACCTTTTAAAAAGTATTCTAGCACAAGATTTTTCTGT
AAACTAGATTATGTTGTAAACTTTTTTCTAAATCTTGTAGGAGTGTCGGTTGTTAAGAAC
TAGAGCTTATTCCTATTCCAAATCTATCTTGCGCTCCTGAAAAACTGCAGAAAGGCACTT
GAAAGCTGTTTCTTTAAGGATATGGGATTCTCTTTTTTATTCTTGCTGGTAATATATTGC
TGCACTGAGTGTGTGCAATTTTTATTCAAGGTCATCCGTTGATGCTGAGCAAGTTTTCCG
TTTGATAACCTGTCCCATCCTCTAAGTTTCAACCGGGCTTAAATCAAGAAGTGTCCTTTT
TGAGTGGGGTATCAACCCNGAGGGGAGGTGAAATCCAGATTAGTTTTCCCTCAGGGTTCA
GGGGGAGGGAAAAAGGTTTT
Sequence 61
CCGCGGTGGCGGCCGAGGTACAAGAGTGTTTCATGAAATCCGTTTTTAAAATGAACATCT
CTGTGTGCCACAGTTCCTAGGACTGGGGCAAGGACACAGTGTCAAGTCTTGTTTTGAGGA
TGAGTCTCTGAAGAGACAGAATTCCTGCCAGAATGCGCACAGAACATAAGTCAGCCAAGT
GTGTCGTGCCAGGGATACTTTGACTTTGGTTTGCTGCTGCTGCTAGGGATATTGGGAGGG
TTATCCTTTCCAGGTTGTAGGAGAGGGTTGTGGGTAAAGGTCTGTCGTAAAGGACCCCTG
GCTGCTAGCTCCAACTGATTCCGCATGCGTTGTTCACGCTCTCGCAGCTGACGCGTCATT
TCAGCATTTTTTCCAGCCTTTTTTGAAGCTCTCTAGGAAGCCTTCCCGTGGAGGTAATTTG
TCCAGGTCATGTACCTGCCCGGGCGGCCGCTCGAGTAATACGGTTATCCACA
Sequence 62
AGGTACTCAGAAGTGTCCTGGAATGGGGCCCATGAGATGGTTGTCTGAGAGAGAGCTTCT
TGTCCTACATTCGGCGGGTATGGTCTTGGCCTATGCCTTATGGGGGTGGCCGTTGTGGGC
GGTGTGGTCCGCCTAAAACCATGTTCCTCAAAGATCATTTGTTGCCCAACACTGGGTTGC
TGACCAGAAGTGCCAGGAAGCTGAATACCATTTCCAGTGTCATACCCAGGGTGGGTGACG
AAAGGGGTCTTTTGAACTGTGGAAGGAACATCCAAGATCTCTGGTCCATGAAGATTGGGG
TGTGGAAGGGTTACCAGTTGGGGAAGCTCCGTCTGTCTTTTTCCTTCCAATCAGGGGCTC
GCTCTTCTGATTATTCTTCAGGGCAATGACATAAATTGTNTNTTCGGTTCCCGG
Sequence 63
AGGTACTGAGGAATGAATAGAAAGGCTTCCAGATGTCTAAAAGATTCTTTAAACTACTGA
ACTGTTACCTAGGTTAACAACCCTGTTGAGTATTTGCTGTTTGTCCAGTTCAGGAATTTT
TGTTTTGTTTTGTCTATATGTGCGGCTTTTCAGAAGAAATTTAATCANTGTGACAGAAAA
AAAAATGTTTTATGGTAGCTTTTACTTTTTATGAAAAAAAAATTATTTGCCTTTTTAAATT
CTTTTCCCCCATCCCCCTCCAAAGTCTTGATAGCAAGCGTTATTTTGGGGGTAGAAACGG
TGAAATCTCTAGCCTCTTTGTGTTTTTGTTGTTGTTGNTGTTGTTGTTTTATATAATGCA
TGTATTCACTAAAATAAAATTTAAAAAACTCCTGTCTTGCTANACAAGGTTGCTGTTGTG
CAGTGTGCCTGTCACTACTGGTCTGTACCTCGGC
Sequence 64
AGGTACATTTGCCATCTCTGGTTAGTTGATTTCTGTCATGTTCCCTTCACTGATAATCTT
GGCATTTCATTCTTGAAGAACAAGTGGGGCTCTTTCTCTGCCATGGCCATGCTGCCTTGG
GCTGTGGTGACTCATGTATGTGTCTGTCCTCTGCACTTGAATGTGAGCTCTGTGTGGGTT

Table 2

TTTCTGTTCCTCTCATTAGCAGGTTCTGCTCCCTGGGCACAGAGGAGGTCATGAGTTGAG
AGTGGGCTGTGCGTGCATCCTAGAATCTCAGCCTTCTTGGAGCAGCGACTATTATATGCT
CTGGTGGGCTCTCATCTCCATCCGATTAAGTGTTTCTCTTTGGCTGCCACGCCAGCTGGA
TGACTGGGGGTTCTCTTCTTACCATCATGAAGCTGTCAACACCCACGGTGGGCCCTCTCA
GACGGGGGCGGC
Sequence 65
AGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGTGATATCCACATATTTTTG
AGAAAAATTCCCAAGCCAGGCGAATGTGGATTGGAATAAAGACATAGGCAGTGTATACCA
CCATAGCAATAATGGTTAGTAAGATGGTGTTAAACATAGATCGCTCCCAGGGCTCTAAAA
CAGCACAGCAGCTAATGATTTGGTATTGATAGTAGAGCCAGGAGAAATATTCCTTCACAC
GCCTCAAATCCATGGTTGGCTCCTTCAAGCTGCAGTAAGTTTGTCCTAAGAAAGTCCAGG
TCTGGTTCTTCAGCCTTGCTCCTTCGCGAAATGATCCTGTGTGGGTTAGTTCTCCTCTCT
GGGTTGCTGTTTCCTCATCTCCCAGTTGGGTGTATCTCCCTGCGGCTTANGTGAGCGCCG
AGGCTTTGGCTCCTCCCCAGCTGACCT
Sequence 66
CATAAAGTTGTAAAAGCCCTGGGGTGCCTAATGAGTGAAGCTAACTCACNATATAATTTG
CGTTGCGCTCACATGCCNCGCTTTTTCCAAGTTCGGGTAAACNCTGTCNNTGCANAGCCTT
GCAATTAATGGAAATCGNGTTCAAACANNCGNCGAGTTGAAGAAGGCCNNATTATGTTTT
TAATTTGGGAGTCGCTTTTTTTTTCNGCCTTTTNCNTNNGGNTTTNATNATGAAACTTNAG
NTTNGNGANTTCTCCCCCCTNGGGGGNCCTTTANNTANTGAAANATTTCCTNAAATTNTTT
NAAAAGNCTTTTATTCTNGAATTACCCCCNTTTCGGACCCCTTTCGGNAGNGGGGGGGGG
GGGCCCCCCGGGGGTTACCCNCCANNCCTTTTTTTTGGGTTTTCC
Sequence 67
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGAATCATATTCTAAGA
TTATGTGCAAATATATGTGTAGAAAGAGGCATTTAAAAAAAGAGGCAGGAGATTGAGAAG
AGACATATTGAATGAGGCACTAATCTTTAGAAAAATGATCTTTTACTGAATCAAGCCATG
CTCATTCCTTGCTGAATCCAACAGCCCCAAATCTCTTTTCTTATATTTGGCTGTTAATTT
TTTTCCTTGCACCATCCTAGATTGTTAACAACCATTGCACAGTTGGCTCATGTATCCTTA
CACTCTGAGTTATAATAAGTTGTATTTTTTATAAACAAATACCTAAATATTCAAGTTTTAA
GGCGCATGGAAACTGAATCTAGGCAACGGG
Sequence 68
CTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAAAAGAAAACCAT
TTCTTTTCTCTTTTTCCCCCAGCATCATGCAAGGCAAGGCAACACCACAAATACAATAAC
TGAATTTACTTTGATTATACTTTAGTTTCTTACACTTAAAATTATTTTGTATTATAATAC
TTACTTGGTTATCTAAAATCAACATTGTCGATTTTAAACGGTTATAAAGCCAGACTTTAA
GAAGCATTTAAAACAATTCATGAACTCTGTATGAAAGGAAATAATTGCCTCCAGCTTATT
CTTTTGCATTTGAAGTAAAAGAATTTCCAGTATCATCAGTTTACTAGAAAATAAGACTTA
GGGGGTCCATATAATTTATTCACATCTTTTTATACATCGTAAACAAGGATAGGATACTTC
TGACAGTANCCTATAAAAGATTTTTTAAAAATTTATCC
Sequence 69
AGGTACAAACTGTTTTGAAGCCAGTTCATCATAAGGAAGGACAAGAACTAACTGCTTTGC
TGAATACTCCACATATTCAGGCACTTTTACTGGCCCACGATAAGGTTGCTGAGCAGGAAA
TGCAGCTAGAGCCCATTACAGATGAGAGAGTTTATGAAAGTATTGGCCAGTATGGAGGAG
AAACTGTAAAAATAGTTCGTATAGAAAAGGCTCGTGATATTCCGTTGGGTGCTACAGTTC
GTAATGAAATGGACTCTGTCATCATTAGCCGGATAGTAAAAGGGGGTGCTGCATAGAAAA
GTGGTCTGTTGCATGAAGGATATGAAGTTTCTAGNAGTATTAATGGCATTTGAAAATT
Sequence 70
GTCCTCTGTTTTTAAACTGTAAAGGACTCCAGCGGATTGTTCGAAGTCTCCGATATCCCG
CGATCTGGTGGCCGCAGAAGAAAGAGGCCGAGTCGGCGGGGACTGGGAACCACCAGTTAG

Table 2

CGGCCTACGGGCAACCTCCCGGACGCGCGCGCCGGGCCGACGTTAAACGTACCT
Sequence 71
AGGTACCCGGCAACAGACCCTTTTTTGCTGATATTAGCACCAGAGAAAGCTTACAGCAATC
TAAGGTCCCAGGCTCTGGGTTCTCAGATGCCAGTCATTAGATTCTCGTGGGTTAACAGAG
ATGGGAAAAGTCAATGGGGAAAATGTGCGAATGATCGATTTCTTCGATTGTCGGATTGAG
GGTGGCACAATGTCTTAGGCGGCGGCGGGTAAGTGACTCAAGCGAACCTGTTCGTTCCCT
AGGCGCCCCTGTCTCCAAGAGGCGGCCCCGAAGGTGATCCGCCCCCCAGAGCAGGAAACC
AGCCCACCAGTCCCAGCAAACTCTCCTCCGAGCCTGGGATGAGGAA
Sequence 72
AGGTACAGAATCATATTCTAAGATTATGTGCAAATATATGTGTAGAAAGAGGCATTTAAA
AAAAGAGGCAGGAGATTGAGAAGAGACATATTGAATGAGGCACTAATCTTTAGAAAAATG
ATCTTTTACTGAATCAAGCCATGCTCATTCCTTGCTGAATCCAACAGCCCCAAATCTCTT
TTCTTATATTTGGCTGTTAATTTTTTTTCCTTGCACCATCCTAGATTGTTAACAACCATTG
CACAGTTGGCTCATGTATCCTTACACTCTGAGTTATAATAAGTTGTATTTTTATAAACAA
ATACCTAAATATTCAAGTTTTAAGGCGCATGGAAACTGAATCTAGGCAACGGG
Sequence 73
NGGCAGGTACTTTCCTTAGCATATGTTTTCCTCATATGTTCTGGGGTTTTAGACTGTAGA
CTAATCTGGAGTTGGAGTCTGTGCCTCTCCACTNTCCACCAACCAGGCGGGCCCATCACA
TACTGATAGGAAATACCTGAAACCCAGGCCANCAGGCAGCTCGGCCATGGCTGAGAGGCT
GTGTTTTAGAAACGAGGCTCTTGGGAATGGGGCAGAACTTTTTTNAGGCCTTTTCAAAAN
CANATGGANCTCCATTGCAATTAATACCCCAGTCTGCTTNTAGACGCCGCTATTTCTTTC
TTCAATGCTNCTTATGGCTTTGNGTNGCCGTTTCATTTCTAGTACCTCGGCCCNCTCTAA
AACTAGTGGATCCCCCNGGGCTGCAGGAAATTCATATTAAAGCTTATTGATACCGNCGAA
CCTNGAAGGGGGG
Sequence 74
TTGGAGCTCCCCGCGGTGGCGGCCGGTTCCTTGTGTCTTAAAGCAAACACAGGCACAGTA
TTCTGGGCAAACCAGATGTTAATAGCTTGACCTCTCTGTCAAAGGAGGACTTGGTTGCTT
AANACCCTTAAAGCTGTCAAAGATNTAGCTTNTCCAGGATACTATCATCCTCACCCATTT
CTTATTCTCTTTGCAGGGAGAGATCATCTCTCAAAAAGCTCCCATCAGAGCAACCATTCT
GGGACTTTGAGC
Sequence 75
TTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTTAGTGTTTAGCAAAAAAGGGACTATGG
AATGTCAAACANGAACATATATGTTAAACATAAACATGAAGCAGTGCCAGCTGCTGTCTG
CCATATAGNCATGCTTNGTTAATGTGGCACATCTTGCCATGATGGTGCCCTCATGAAACG
AAGGATGCTGAAGCAGATGCCATTCTGTTTGCTTTGATCAGAAGCCACTCTNTGGTCAAG
GAAGNATTNGNTNCATGCTTAATTATAACAAGTTCTCATCACAAAGATTATTTTCTTTCT
CCAGATCTGGATTGTNNGCACTCACTTTATATTATNANACAATCACTCAGATTGTTTATG
TTTTTATGTTTAGAAATAAGACAGTGATTCAGAGAGTCCCTGTATTTAGATGAAAGAACA
TTTTTTAAACATATTGACTGTAAACACTGAAAATCATTAATTCTCAACAGTTGAAGGTTT
CTGACAGGAACGGCCCTTGGAAAT
Sequence 76
NCGCCCGGGCAGGTACGCGGGGACACATTCAGAGGTGAGCCCAGAGCGGGTAAAGTGGAC
TGGGGAGAACTTCGGAGGATGTTCATGTCCAGGAGCANCCCCACGCCCTGTATGGTCGGT
GTCTAGAGCCTCACAGCAACTAAGACCAACCCANCTCTCAGAAGAAGGAATGTCAAAATG
TCATGTTCAATTTTACATTCAGTGCCTGGAATCTTTTCTTCACAATTGAAATGAAATGTG
CTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATACTACATAAGAAG
CAAGACCACANACTCAAGACGGACATAATTGGATTTTTTTTTGCCATGGCCTGGAAAGAAA
GGTACCT
Sequence 77

Table 2

CCGGGCAGGTACTTACCGGGGAGCACAGTGGACTAGGGGATGCCCTTGATAATGACGGTT
TCCTAGGTGCAAGATCAGAGCATGTGCCTACACCTTGTGCCCTGATGCCGAGGTGGAGAC
CATTGGGAAATAATTAATAGATATTTTTTCTGGGGGGAAATCACAAGTCACTGAGGTGTTT
GTTTGTTTGTTAGGCGGTGCTAGAGCTTGAAGCCACTCAAGCCAGTTGGGGAGGAAAGGG
ATGCGGAGGTACCTCN
Sequence 78
CNAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGAGAGCGGGTAAA
GTGGACTGGGGAGAACTTCGGAGGATGTTCATGTCCAGGAGCAGCCCCACGCCCTGTATG
GTCGGTGTCTANAGCCTCACAGCAACTAANACCAACCCAGCTCTCAGAAGAAGGAATGTC
AAAATGTCATGTTCAATTTTACATTCAGTGCCTGGAATCTTTTCTTCACAATTGAAATGA
AATGTGCTGAAGGAGGTGAATCCATGTATTAATCTTCAGCTCACAAAGGAAATACTACAT
AAGAAGCAAGACCACANACTCAAGGCGGACATAATTGGATTTTTTCGCCATGGCCTGGAA
AGAAAGGTACCTN
Sequence 79
TTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTACCGGGGAGCACAGTGGACT
AGGGGATGCCCTTGATAATGACGGTTTCCTAGGTGCAAGATCAGAGCATGTGCCTACACC
TTGTGCCCTGATGCCGAGGTGGAGACCATTGGGAAATAATTAATAGATATTTTTTCTGGGG
GGAAATCACAAGTCACTGAGGTGTTTGTTTGTTTGTTAGGCAGTGCTAGAGCTTGAAGCC
ACTCAAGCCAGTTGGGGAGGAAAGGGATGCGGAGGTACCT
Sequence 80
AGGTACCAATTCCCAGCCTGGGCCTTAAGAGGTCTTGCTTGCTTCTGTTCCCTTTGGAAC
TCTGTTACTGCTGTGAGCACGTGAACAGGCTCACTTGGTGGAAGGGGAGCAGCTAAATGG
AGCATANCCAAGTCATTTTACTTGAGTCTGGCCCTCTCAGACCAGCCGTCAGCCAGCTGA
CCAAAAATGTGTTAAGACAGAACAGCCAACATCAGCAGAGCCACCTACCTAACCTGTACC
TGCCCG
Sequence 81
ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTTTCTTTCCAGGCCATGGCAAAAAAAA
ATCCAATTATGTCCGTCTTGAGTCTGTGGTCTTGCTTCTTATGTAGTATTTCCTTTGTGA
GCTGAANATTAATGCATGGATTCACCTCCTTCAGCACATTTCATTTCAATTGTGAANAAA
ANATTCCAGGCACTGAATGTAAAATTGAACATGACATTTTGACATTTCTTCTTCTGAGAG
CTGGGTTGGTCTTAGTTGCTGTGAGGCTCTAGACACCGACCATACAGGGCGTGGGGCTGC
TCCTGGACATGAACATCCTCCGAAGTTCTCCCCAGTCCACTTTACCCGCTCTGGGCTCAC
CTCTGAATGTCCCCGCGTACCTGCCCG
Sequence 82
TCCTGATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGGGGACTGGTAGGTGGTTTGGAT
TCTGATAGGAGAAAACACTGCACACAGCAGGCCAGAGTGGGAATACCTGTATTCTCTATG
GTAACAGTCAGGTGAATGGAGAAACTGGAGAGATATTTTGACGGTTGTCTTTAAACTCAA
TGGAGGGCTTGTGTAGCAANAGATTGTAAACTGGCAGCTGCTGGTGGTGTAATGGATTAA
ATCAGCAGTGCTTATAGAAAAGAATTTGAGTGTTTTTAGATAGGCANATAGTCTCCTGTC
TTCCCTGTTATCTTGGCTTCCCTTGTTTACGTANCTTATCTACCTCTCATGGAGATATGA
GTTTGAGATACTTGTAAGGTCTGCCCAGGAGCAGATGTGTACCTGCCCG
Sequence 83
GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTANCTGAGACTTCTGGAGAG
ACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGANAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGTAAATACGACTTCATCATGCTGAGT
TGTGTGCANCTGCANCGGATTCCTCTNANCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGA
Sequence 84
CCGGGCAGGTACCCAGTGATTACTATATCGGATGGTGCAGGTCTCAGTTCTTTCCACCAT

Table 2

TTTTTCCCCACCATATTTTATATNTTTACATAGGTGAGACAAATGGACTTAGGCCAAAAG
GTTTACAACTGGAGAACCAAGTTGGAAGCAAAGAGGTTTTTTTGCAAAGAGGAATCTCTT
GCAAACAAACCTGGAACTTGGCTTATTGAGTCAGTTTTTCTGACATGTAAGTATGGCTCT
TTCAGAGCACTAGCACTGGGGCTGTGCTCCCCTGGAGAGGAAGAGCCTTAAGGANGGAAG
GANGGACCTCTNGAGTCTGTTAAGTNAACTGAGTGTGTTGACAGTTTGAACACACTCCTT
NTGGCAGNAAAACAAACTGCTTGGCTTATTTCGTATGTTAAATCAAAGGAATTCCTTTAA
ACTGGCTTTTAA
Sequence 85
GAATTGGAGCTCCACCCGCGGTGGCGGCCGCCCGGGCAGGTACCAGACCCGGTGAGAGCC
CCCATTCCAATGCACCCCCATCTCAGCTTNTGGCCAGAAGACCTGAGCAAGTCCNTCCTT
CTTCCTGGCCTTGGCCTTNCCATGGGTGGAACCNGGAGGGCTGGCTTTAATCTCCACCAG
ACTNTTGCCCCGGGACTGTGATGGGCGATTGGCCACTTCTCAATAATCTTCCTGTTTTCC
TTCCGCCTTCTGTTTGGCTTTAGACAGGACCANTGCATCTATAACACCACCTACCTGAAT
GTCCAGCGGGAAAATGGAACCATNTCCAGATNCGTGGGAGGCCAATAGCATTTCGCTCAC
TTGCTGATCCT
Sequence 86
AATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACATTCCCGGGCTGGTTGATT
GGTAAGCTTTCATCTGCTGAGAAGATTCAGAAATCTTTTCCGATTTCAGGCTGAAATTAN
AACCAATTTCTTGTCTTCCAGCTCTTATTGTGGGCCTTTATTCTGCAAAGAAGGCTGCAG
TGCCAGCGGAGCTGACTGCCAGTGCCAAGTGTGTGACTGACATAACGTATGGAGGTAATC
CACACGTGTAGCTCAGGAAGGCTATTAATAAGAGGTGCTATTTATGCTGGTTTCCTGGGG
ACTATACCTAAACTGAAAAGGCCAGTTCAAGTACCT
Sequence 87
CGCCCGGGCAGGTACGCGGGGCAGAGCGGGTAAAGTGGACTGGGGAGAACTTCGGAGGAT
GTTCATGTCCAGGAGCAGTCCCACGCCCTGTATGGTCGGTGTCTAGAGCCTCACAGCAAC
TAAGACCAACCCAGCTCTCAGAAGAAGGAATGTCAAAATGTCATGTTCAATTTTACATTC
AGTGCCTGGAATCTTTTCTTCACAATTGAAATGAAATGTGCTGAAGGAGGTGAATCCATG
CATTAATCTTCAGCTCACAAAGGAAATACTACATAAGAAGCAAGACCACAGACTCAAGAC
GGACATAATTGGATTTTTTTTGCCATGGCCTGGAAAGAAAGGTACCT
Sequence 88
ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTGTTGGGAATCTGANTCTCAGGGTTTC
TGGCCATTTCCTGTTTTAAAAAATCCTCCAGTAAGAAATATTGTNGCTGTTTCCTTTCTC
TTTCTAAGNGTTGATTCAACTTGAGTGTATNACTTATTGGCTGATAAATATTGTCCTTTG
AGGGGAATCGGATCAAACCCAAACAAC
Sequence 89
GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTCATCCTTCCCACCATTGCCAA
CATTTAATATTACCATTTTTAAACTTTAATCAATCTGACAGGTGAAAAAAAAGACTTCAC
TTTCTATGTTGCATTTCTTTTTTTAGTGAAGATGAACATTTTTTTTCGNAAGTTCATTAACT
TTTAAATTTTCTAAACAGCAGTGGATCCAATCAATACTCCTCAAGTNGCATTTAAAATTT
TAAAAAAACACAGCTATAATCCTACCACTTTGGGAGGCCAAAATGGGAGGACTGCTTGAG
GCCAGGAGTTCAAGACCAGCCTGGGCAACATAGCAAGGTCCTGTCTCTTAAAAAATAAAAA
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AGCATCAACTTGAGCCCAGGAACTTGAAGCTGCAGGTGAGCCAGGGTCACTCCACTACAT
TCCAGCCTGGGTGACAGAANAANACCCATTTGCAGATTGTATCATGTTTCNAGATTTCTG
GACTTNATNAAATTTTGTAA
Sequence 90
AATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAATCCTGCCCTCAAGAANGG
TTAAGGTCCAGTTGGAGGAGACTTAGGAGTTNAACTGACCCAGTTCTGCAACCTTAGGTG
GCTGTCCTNATCCTGACAGGAGACAGGGGACACACAAAAAACAGTGATTTAGGCGTTAAC

Table 2

AAAGTGGCTTTACAAAGGTGTAGACAGAATATAGGAAATCCAACAAGGCCTGGTGGAGCA
CCATGAAGCTGGTGACAGCAGGGAACACCCGCGTACCT
Sequence 91
GGAGCTCCCCGCGGTGGCGGCCGAGGTACCTTCCTGCTCTTGCTGAAGTGCCCTGCAGTC
TGTCTGCCANGACAAAAGTTTGGGGGCTACACAGGCTGGCCTAACAATGCCACAGGTGCTG
ATTTGGAGGGCCGAGAGGAGTGATGCGGGCACTTATAAAGAGGAGAGAAAGGAGGAGAGG
CTCACCCTCACGAGGCTTCTGAGAAGGGGGTGAACTGCAAAAGTGCAGAGGGCAGGAGAG
ACCTCAGCATCTACCCAGTATGAGGAGTGTATCACAGCTGGGAAGGTGATTCCANAGCAG
GGGAAAATGCAAGCTCCACTAATACAAATGAGGTGAGGCAACCAGTGCACANNGAGGGGT
TCCACANGACCCAACAACCTCACAAATCCAACAGACGACCAACAATANCTGGGGACATGC
TCAAGACCCACAGAGCAAGTGCATGAAGCCAGGGCAAGGGGCAGCAGTGAGGACAAATCT
CTCCATGANTACCTGCCCG
Sequence 92
CCGGGCAGGTACCATATCAGTGGAGAGCTGCAGCAAGGTGGCCCCTACAGCCCGCAAACC
AGCCTGCACATTACCTCTCCATACTGCAGCCCTTTATATGGAAACTTCTTACATCACTTT
GCTGTGTGTGTTTACACAGGTGGGTTTTGCTGTACCT
Sequence 93
AGGTACTCAAGCCACCTGCCTGTCATGGCCCCCCAAAATGCTGGGATTGCAGGCCACCAT
AACCGGTCATCGGGGCAACTATCCTTCAGGGCTTCCTCCAGTAGGGCTCCCCAGGTTGGC
CTTGAGGCCACAATAAAAAATCTGACTTAGCTATACTCCTTCCCTGTCCCCAACCACAGT
TATTCTTGTGGATGAGGCAAATGGCAGCAGGACAGCTGGAGTATACCAGAGTTGACTCAT
TTATTTTATGCATGCTTAGTGTGGCATCCCTGGGGACATGAAATTCCAGTGAAATCCAGT
CTTTGTGCTGGAGAAGCTCATAGATCTGTGGAGGAGGCAGATGCCCACCCACTCACTGTA
CCTGCCCG
Sequence 94
CGAGGTACAGACAACGGATTGAGCTACTTCCTAACACAGTGACTGGGATTCAGGACATAT
CCANTAAACGTCTGTTAAGGAANTAAACAAAATAAATAAATAAAACAGGATAGTGGCTGG
CTGCTCTCTGTGTAGACTGGATTAAAGTAGANCAGGAAAACATGTGGGAGGTTACTGA
AGTGGTGGTATTGGGANTGAGGACNGGGGAGT
Sequence 95
GCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACAAAATGCATATTATTATTCTTTT
NATATACATATAATGAATNCAAANTNAAATANTAACNTATAATANATGCTCTNCACAGAA
CATGCTGCAGAATAAATAATAAATGGACAATAAATTATCCTGGTCCTGTNTTGATAGAAA
AGGAAAATAAAGACTAGAGGTTAAGGCTTGCCAAATGTCATGTATTTAGTTTGAGAACTT
GTTGGTAGAGCAAAGGGAATTTCTTCCATAAACTTGAAAGTNCATTACACAAATATTTTT
CTACTTAGTTCCTATAGCATTTCTTTGAGAAAAGTAGATATTACCCCTTAATAGTGAGG
Sequence 96
TGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCTGTTATCATCATTCCTCAAGAG
CTGCATGTGGCACAGCAGGAAGCCAGGCAAGCTCCTGCCATTAGCACACAACGGCAAAAG
TGGATGTCTGTGTCAACATTTCTGAAGACCCAGAATGGGCCGTAGATAGGCATGATTTTC
CTAATGACTTTCGCACACAGGCAAAAAAATAGTAATGATAACTACTAATATTATAGGTGC
TTCCTGTGGCCAGGGGATGTACCT
Sequence 97
AATTGGAGCTCCCCGCGGTGGCGGCCCGACGTNCNCANNTNCTNATCTNTGGTCTNTNCT
TNAGAGNNAATATGGTTNACCTACNTGNAANCNTNCNCANAANATTTTTNAGAAACCCAC
TNACATGTGTCAGGCAGTANGTTTGCCAAGGTGCCAGACAANCAAGAATTTCAAAGTTGG
ATGATACAAAGTATAAAACCTNTAATTTTTGGCCANGCNCAANGGNTNACNCCTGTAATCC
CAGCACTTTNGGAGGCCGAGGCGNGCAGATCACCTGAGGTCAAGAGGTCGATNTCAGTCN
GCCAACATGGCAAAACCCCGTCTNTACTAAAAATATAAAAATTAGCCAGGCATGGTGGTA

Table 2

CCTGCCCG
Sequence 98
GGAGCTCCCCGCGGTGGCGGCCGAGGTACATCATTACCAGTGACCAGTCATTGTGTCATT
TCTTTCGAAGTCTGTCAGTGATTGGTCAATGAAGATCTGTTACTCAGTTTACCCTTAAAT
ACCAAGGCATGTAGTTGTGTCCCTCCTTATTTCCCAGTGATGGAAGTTGGTGACAGCTTA
CAACAAAAGTATGAGCAAAAAAAAATGAGTTGGTCAGCAAAGGTAAATGTGCAAGAAAAA

Sequence 99
CNAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAGTTGTCTTTATGCTGCGAGATAA
GTCCTCTCTTGGTTTGAGCTCCCACCTTTTCAGTGAACTCTTACATTTTGGGGGATCTGC
TCTTGTAAAGGACATCCTTTCTGGTGAGTATTCTTTTGGTTAATTTTTGGTTTGGTTATT
TGTGCATGAATTTAATCTCATTAGGAAACAAGTTAAGTTGAATAGACCAACTAGTGAATT
AATCCCGTCACCAAA
Sequence 100
CCGGGCAGGTACGCGGGGAGTCATCTCAGAGGGCACAGCCTGGAGTGCAGCTCAACAAAC
ATATGTGTAACAGCCGAGTGCCACCACGTTAAGAACTGGACTTACAAGATGGATAGGACC
TGGTGGCAGCTGTCCTTGAGGAAGCCAGAGCCTGGAGAGACAGATCTCATGTTATAGCAG
AGTACCTN
Sequence 101
TTAAGGACAGTTGCGGCTNANGAGAAANGCNNCCCCAGGNTGGCCCTTCATTCCGCAAAC
CACCTGCACATTACCTCTCCATACTGCAGCCCTTTATATGGAAACTTCTTACATCACTTT
GCTGTGTGTGTCACACAGGTGGGGTTTTTGCTTGTACCTCGGCCCGCTCTAGAAACTANT
GGGATCCCC
Sequence 102
ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATACTTTCCTGTGTCTTGCTGTTTTCAC
TTACTATATCTTGGAGCTATTTCTATATTGCCACATTCAAAGCTTTTTAAAGCATTTTCA
GGATAGCTATTTATAGTCAAGATGTATCACAGTTTGTCTTATTTACCTGTCCCCCCACTG
ATGAACAGNCTGGTTGCTTCTGTTTGTTTTTTTCTGTTATTGTAATAAACATCCTTATAG
T
Sequence 103
TTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACACCTCTAGCCTTCACTCACACT
CCTTTCTATGTTGGTCAAAAGGCAAAAACCTCCTGAGTGACAATTACCCCTTCTCAGGTA
GCAGCCAAAAAGAGTTAATTGTTTCTCATCAGAATCTGCATGTGGCCCCAGAGCATCATG
TATAGAACTATTCTGGAGTCCTTATCATCATCATATAACTACGTGTCCACTGTGCATCTC
CAGAAAAGAGATCCTATTATAGTCATCTTTGCTTCTCAGTTTCCACCACGATACTAACAA
TAGCAGCCATTCAACAGATGGTTGTGGAATGACTAAAATTCTGTGTTCCTTATTGCATGC
CTTGCCTTCCAACTAAGCTTTTCAAGAGTATGGATACGTATTATAAGGTATTTATATAA
CACCCACACACAGAGACACATAAAGCACCTGGGAATCGCACTTTTCAGACAGAAAATACC
CAATAAATCTTACCGAATAAATTAATCAATNGAGAATTAAAGAACAATTTTGCCAGAAGC
ATAGCTGAATCTGGTGCTCTGACAGAAAAATGGATTCAGGTTATGAAAAACCNGTTATCA
ATGCTTGNATGTGTNGNAACATNCCANTNCATCTAAATGTGGGTACCTGTGACCCTGGGN
CGGTTTAA
Sequence 104
GTGTGTGCATACTCCCCCCATCTCACCCAATATGCTATTTTTGAGCCTCCATCAAGCAGT
GGGGTCTTTGNTTCCTCCTCTTGAACCCGTGCAGACAGGAATTCTNCCCCGANCGTTTTG
GATCTTGAGCATTGTGTTTTAAGAGCACAGNTGCAAGATCAAGANCATGCACCTGGCACT
GCTAGGTGCNCAGCGCCATCANGCCAGCATCTCCCTTCCCATTTTCCTTGTGACCACTGT
TTAGGCATTGANATTAAGCACTGTATATGTATATGTGTTCATTGAGAGAGGGGATTAAGT
TTTTTTACTTTTAAATGAAATCAACAATGAAAATATCAATTGACATCAAAANAGAGTTTC

Table 2

TTTTAAGCNGTGAAATGAACCAACATGACCGCTGTCGGGTGCATTTTTTAAAAATCC
Sequence 105
CCGGGCAGGTACGCGGGACACATTCAGAGGTGAGCCCAGAGCGGGTAAAGTGGACTGGGG
AGAACTTCGGAGGATGTTCATGTCCAGGAGCAGCCCCACGCCCTGTATGGTCGGTGTCTA
GAGCCTCACAGCAACTAAGACCAACCCAGCTCTCANAAGAAGGAATGTCAAAATGTCATG
TTCAATTTTACATTCAGTGCCTGGAATCTTTTCTTCACAATTGAAATGAAATGTGCTGAA
GGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATACTACATAAGAAGCAAGA
CCACAGACTCAAGACGGACATAATTGGATTTTTTTTTGCCATGGCCTGGAAAGAAAGGTAC
CT
Sequence 106
AGGTACATTACCCTACGCTCCAAGCGCAGCAAGCCGGCCAATATCCGTGGCACCGTGAAG
CCCAAGCGCAGGAAAAAGCATGCAGTGGCATCGGCTGCCCCAGGGCAGGAGGCTTTGGTC
GGACCATCCCTTCAGCCCGCAGGAAGCGGCAAGGGAAGCTGATGCTGTAGCACCTGGGTA
CCTGCCCG
Sequence 107
AGGTACAAAGAAACCCTTTGCAGACAGCCCATTTATAGAGAGAAGCTAAGTATTTATTTA
CTTGCTACTCAATTTAAAATACGACCATGGCAGGCAACCAACCAGGAGAAGAGCTAAAAG
TTTGAAAGCACTGCCCTTTTCTCTACTATAGAAGTTACAGGGTCAAGCCTTGGAAAATTT
CCACAAAATAAGGCTTTGCTAAACATATTTACCTTATCAGAAAGATTGTATCTCAAAAAA
GTTACGTTTTTCTTCAGGCAAGACAAGAAAAACTGCCTGTCCTAATCGACAGTACCTGCC
CGGGCGGC
Sequence 108
CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGACACATTCAGAGGTGAGCCCAGAGGG
GGTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTCATGTCCAGGAGCAGCCCCACGCCC
TGTATGGTCGGTGTCTAGAGCCTACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGA
ATGTCAAAATGTCATGTTCAATTTTACATTCAGTGCCTAGAATCTTTTCTTCACAATTGA
AATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATAC
TACATAAGGAGCAAGGAACACGCAAGAGATCTACAGCTCTGATCTCCAGGATAGTGAAAT
GAGGTGGTGAATGATAAGGGTATAATTTAGCCAGCTCAGTGAATAAATAATCATTGCAAA
TGAANCAGTAGCACCAGACCACAGACTCAAGACGGACCATAATTGGATTTTTTTTTGCCAT

Sequence 109
GCGCGTAATACGACTACTATAGGGCGAATTGGAGCTCNCCGCGGTGGCGGCCCGAGGTAC
ATTTTACTTGCTTGATCTCTGATTCCCCTCACTGGGTCACCCGCACCTCTGAGTGCCCTC
CTCACCCTGCATGAGTCTTGACACCAGGCCCTGAGCCTTTCCTCTGTGTGGTTGTCCTCA
CAGTCCTCTGTGTGGGATCCAGAACTAGGCACCAAGCTCCCCACGTAGGAGGGTGCCCTC
CCCATTCCCTCTGCTGAGGCTCGAACCAGCATGTCAGGCTGCTCCCCCATGTGGACACCT
GACTCTCTTTGGGCTCTTACTCTACACTGGCTGTACCTGCCCG
Sequence 110
AAAAGGGCCTGCTTATTGTTTTGTGCTACCTANCATCCAGCCGCCCCTTTAATTTTCAGG
TTAGCATGTGTTGTGTGGGTCCCAGTGGACTGGCCTTGTCGTTTCTGCTCACCTCAGGAT
AGTTATGGAATGTTCATGACATANACTTAGCCAATTCAATGTCCTTGTCCTANATTTTGA
ATACTGAAGGAGGAACAAAGTGTAGGGACAGTTGAAGTGTTTACAGTGGTAAGGGCAATG
ATGTGGANAGTCCAAAGGTGAGGGCTGCAGCAAGACTACAGTAGTGGCAAGTGTCTAATA
ATAGCAATGCACAATGTGACACACGAACTANACCTTGATCATCTTTCCTGATGTCTGATC
TGGACTCTGTTGCATCTGGCCTGGTTCTCCAGCCTATANTTGATTCTGCAAGCTCCCTG
Sequence 111
ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACACAGACAGCAGGTAGGTA
AGCTGATCTGGAAGGTAGGGATAACTTGTATAATGAATGGAATGTTAGGAGTCTGTGATC

Table 2

CTAGCTCTTCAACTTAAGAGTTCTGCAAACCTGGCCGGGCGCAGTGGTTCACGCCTGTAA
TCCCAGCACTTTGGGAGGCCAAGGTGGGGGCGGTGGATCACCTGAGGTCAGGAGTTCGAG
ACCAGCCTGGCCAATATGGCAAAACCCCGTCTGTACCTGCCCG
Sequence 112
CCGCGGTGGCGGCCGGTTCCTTGTGTCTTAAAGCAAACACAGGCACAGTATTCTGGGCAA
ACCAGATGTTAATAGCTTGACCTCTCTGTCAAAGGAGGACTTGGTTGCTTAAGACCCTTA
AAGCTGTCAAAGTTATAGCTTCTCAGGATACTATCATCCTCACCCATTTCTTATTCTCTT
TGCAGGGAGAGATCATCTCTCAAAAAGCTCCCATCAGAGCAACCATTCTGGGACTTTGAG
CAGAATGCTTAAGGCAGTGGTTCTAAAATTCCACACCACCTGTTCTTCCAGTTGTGTCCT
CTCTGAGCTGCCTCTGACGGTCACATTCCATGGCCATGTGCCACAGCAGACTTGTGATAC
TGATTTTAGTGTTGTCCTTGGCCATTGGGGGAAGGGAGGAAGGAGAGAGAAGAGAAGGGG
AGAGAAGAAGANAAATGGGAGTGGG
Sequence 113
GCGGCCCGAGGTACTTGGTGAAGTGAGATTCANACTGAGTGGGGTCACAGCACAGGGCAC
TGTCTTGCCTGGCTTTATCTGAGCCAGTCACACCTCTCCTGGCCACTATCTGTGGTCTAG
CCCCCTTTGTGCAGAAAGAGAAAGAAGAGCCTTGAGGACCAGCCTAGTCAGCCGGGGGCC
ATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATT
CAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTA
CTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTG
CAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGGCAAGTTCACCTT
CCCTGG
Sequence 114
CGCGTAATACGACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCA
GGTACAGAAAAGCAGAACATGACAAAGCCATTAGAAATACCAAGCATGTCTCCTGGAGGG
TAAGAGGACAGTGAGCCCTTGAAGCAAGTTGGGGGGGATTGGGAATGATTTTACAGGATGG
TCAGAGTTCGAAAGATGGGTAGGAATTCAACAGGAGTGAGAGGTAGAACACAAGCTTAGC
TGAAAGAACAGCATAGAGAAAAGACAAGTTATTGGTTACTTGAAGAAGAGTTAGTGAAGA
GCCTCAATGCCTAGCTAGGCAGCTTTATACCTAATTTCAGTGGGTGATGAGGACTACTAA
AGGTAACTGAGTAGGGAAGTGACATCATGATAGCTATAATGACTAGGCTGGGGCAGTGGG
ATATCAGTCCAGTTAGCAGATCAATAATCTGGACCACTTTGAGGAAAAGCAAAGGCATCG
TAGAGAAAAGAACCTTAATTTCAGGCCTTATTTTTAGTTGAAAATGGTCTGAGTTTGGTG
G
Sequence 115
CCGAGGTACTTCCATGANTATTCAAAGAAAAACAATTTTTTCCATNTGNTTTNTGANATG
ACCACCAGTGGTGTGAACTACCTNCTGCCCCCATCCGCAGTCCCAGGATCCTGGGACAGG
GCTTATGAACACAACCACTGTAGTCAAGCTCACTTGATCCACAGCCTGGCACCCCCACTG
TCTGGCTAGGGAGCCTCGAATGGGTCCCAAGGCCACCCTGCTCCTCAGTTACATCATCTG
CATAAGTAGTGGTGGTTGTGAGGAATTCAGGAGCTGCAGCATAAGGGCTCGGCAGGTCCT
AAGAGCACAGTAAATGCCAGTGATTCTTAAGAGTCTGAGCTCCATTGGAGAGGCAAGTAA
GCTGAGGNTCAGAGACAGAAAATGACTTGCCCAAGATCACCCANCTGGGGAAGTGACAAG
GCCAGGGTTGGAGCCCNTGGTTGAGCTGGNTCCCACAGGCCANANCNTAATTCTGCCCTT
TCCTGGAAAGAACCTCCCACCCNG
Sequence 116
CCCTTAGCGTGGTCGCGGCCGAGGTACTACAAAGCATATCTGAAAGGAAAGATTGAGCGC
ACCAACTATTTGCAGAAACGAGCTGCAGCCATTCAACTACAAGCTGCTTTTAGGAGACTG
AAAGCTCATAATTTATGTAGACAAATTAGAGCTGCTTGTGTTATTCAGTCATACTGGAGA
ATGAGACAAGACAGAGTTCGATTTTTAAACCTTAAGAAGACTATTATCAAATTTCAGGCA
CATGTAAGAAAACATCAACAACGACAGAAATATAAGAAGATGAAGAAAGCAGCTGTTATA
ATTCAGACTCATTTCCGAGCTTATATTTTTGCCATGAAAGTTCTAGCATCTTACCAGAAA

Table 2

ACACGCTCTGCTGTCATTGTGCTGCAGTCTGCATATAGAGGGATGCAAGCCAGGAAAATG
TATATTCACATNCTCCATCTGGTATAAAGATTCAATCATATTATCGNGCTTATGTTTCTA
AAAAGGAAT
Sequence 117
CGCCCGGGCAGGTACTTTGCTACACGGTCGGGGGCCATTGAGACTGCCATGGAAGACTTG
AAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAG
ATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTG
ATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCCTCTGAGC
GCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGA
CAAGGAGAAGGCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGC
TGGAACCCATGGTCCACTGAAGTTCC
Sequence 118
CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGAGAGCGGGTAAAGTGGACTGGGGAGA
ACTTCGGAGGATGTTCATGTCCAGGAGCAGCCCCACGCCCTGTATGGTCGGTGTCTAGAG
CCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAATGTCAAAATGTCATGTTC
AATTTTACATTCAGTGCCTGGAATCTTTTCTTCACAATTGAAATGAAATGTGCTGAAGGA
GGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATACTACATAAGAAGCAAGACCA
CAGACTCAAGACGGACATAATTGGATTTTTTTTGCCATGGCCTGGAAAGAAAGGTACCT
Sequence 119
CCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTAGAAGAGACAGGGTTTCACCATGGTGGC
CAGGCTGGTCTCGATGTCTTGACCTCGTGATCTGCCTGCCTCGGCCTCCCAAAGTGCTGG
GATTACAGGTGTGAGCCACCACACCCGGCCTGAATTGCACTTTTGATGGCTGAGCCAAAT
GCTCATTCTATTTAATATTGCACAGCCTGAACCAAAACCCGTAACATTATAAAGGAAGAG
ATGAGAGCCATTTCAAACTGTGAGAGAAGGGAAGACATCAAGCAAAATCTGGGGGTTTTA
GCCAACAGACTTCAGTCCTGGGGCCTCGCGGCAAAAAAACAC
Sequence 120
CCGCGGTGGCGGCCCGCCCGGGCAGGTACACACTAGCTGATAAGACACTGTTGCCCATAA
TGTCTATTTATTGGATCAGCAATTTATAAGTCCCACATTCTCATGCCACATAGCTCTACA
CAGCTGCAAAAATATACCATAGCTTGCAGGTGATCATTGGTTTGATAAAAGATATTGAGT
CGCTCATCTTGTGAAAGTGATCTTTGATATAAGAGGAGCATCAGCGGGGAAGCTCACATG
TCCCGTGGCTCACACACCAGAAGGTATTTGTGTCTTGTCATTGTCTGTCTGGCAGTCCAT
GGCAATGGCTTTTTCAGAGAGGCCTGTTTTGTGGTTAACTGTGTGTACCTCGGC
Sequence 121
CCGCGGTGGCGGCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTGTGACAATGC
CAATATTCCAAGAGCCTGTAATAAAGGCTCTCAGCATAAATGGTCTACTATCTAACACCA
CCAGAACCCTTTTGGCATCTTTTGCATCTGGATACTTTTGCTCTATGCATGAGTGGGATG
TATGGTCATTCCTTTTATGCAATCATGTAGTAGGCAAAACAATGGCTCCCTCAAAGATGT
CCACATCTTAATCCCAAGAATCTGTGATTATGTTAGTTTATATTGCAAAGGAGAATTAAG
GCTGCAGATTGAATTAAGGTTGCTAATCAGCTTGCTTTTAAATATGGAGAGCATCCTGGA
TTATCTGTGGGAGCCCAGTGTAATCATGAGGCTACTTAAAAGTGAAAGCGGAAGACAGAA
NAAGAGTCAAGAGTGAAATGTGACCCCGGAAGAACTTTCANAGGCGCAATGTTGCTGGCC
CTGAAAAANGAGGAAGGGCTTGCTGANCCCAATAANGNANGTGGGCCTCCGGAAGAATGA
AAAGAAGGATCACCCCAAAAAGCTTCCAAAANGGAAAGGCANCCTGGCCACACTTTTGTT
TTTACCCCAATGGAGAACCTCAGTAGGAACGGTTCAAAAATCCTAAAAAAAGNNAAAATG
NGTATTTNAAATGGNNGNNNNTNTTTNCCCCCCCCCCCC
Sequence 122
AGAATTGGAGCTCCACNCGCGGTGGCGGCCGANGTACATGTCATTTTTTGGTGGTAGCCA
GTAGGATGGTATTACAGTAGGGAAAAATCCAACATTTTGTTAAACCATTCCCCCTTTCAT
GGGTTGCCATTTGCAGACTCTGCCTGCATGTGTCAAGGCNACCTTTGGCCCTTTTAAAAA

Table 2

TCATACAGTATGTCAAGGAATATAATTCNTTAAAATTATTCTCATCCCCCCATTTTGGAA
GGAAGNTTTTNGGGGGNTTTNNNNNNNNAAAAAAAATTTTCCANCCCCCCCAAATNGTTNAAA
AANCNTGGNAACCTNGCCCTNAACCCGGGGGTTTAAAAAAANCNAAAAAAANNTNNNNNNNN
NTTTNTTCCAAAGGGCCCACCCCCCAAANAAANTTTNCCNNNTTTTTCNTTAAAANANNNN
NNNAAAAAACCCCCCNNNNGAAAAANTTNAAAATCCCTNAAAAAACCCCNNCNNANAAANAN
NTTTTTTNNNNNNNNNNNNNNNNNNNNNNNNNNNNNCCCNGNAAAAAAAAAANNCCCCCNTTTT
TTTNCNNNNNNNNNNNNGGGGGGGGGGGGGGNNCCCCACAAAAAAAAAANCCCCCCCNNNTT
TTTTTTTTTTTT

Sequence 123

AGGTACAGTATTGTTGACTGGCTAACAGAGGACCAATTAATAAGCCAAAGAAACGGCTCT
TTAACAATGAACATTTCTGCCATCAACTGACAGATCCCAGGAATAAATGTTTTCCAGTGA
GGAGACTTCTCTGGTTTTCAGAACACCTCTGGCTGCCCCTGCCCACCCCATAGAAGGGCT
ATCCCTCCAGGTCAGGTTAGCATCATCACCTAGAGCCAACAAGTCAAGGAGGTGATGGTT
TGCCTTTGACATCTCTACCCAGACCAGACTCCACTGAGAAGACTCTCCCTTTTTCATCAC
TGCCCTACCTAGTTAGTTGGTCCTGCCCTGGGGCCAGAGTTTCACTAGGGGCTGAATAGT
ATACTGTTAGCTCAGGCAACAGATGAACTCTGCCTCCATGCGCAAATACAAAAAGCTATC
TCTGCTTCTTTTTCACTCACTTAAGATTTTGGAAGAATGGCTCCTAAAGCGGGTGATCAT
CTGCCCTCACGACTTACAGTGCCTCAGCATCACATGCTATTCATTTTGCACAGCAAAACC

Sequence 124

CCGCGGTGGCGGCCCGAGGTACTTGGTGAAGTGAGATTCAGACTGAGTGGGGTCACAGCA
CAGGGCACTGTCTTGCCTGGCTTTATCTGAGCCAGTCACACCTCTCCTGGCCACTATCTG
TGGTCTAGCCCCCTTTGTGCAGAAAGAGAAAGAAGAGCCTTGAGGACCAGCCTAGTCAGC
CGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAG
AGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGA
GAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGA
GTTGTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGT
TCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAAGGATCT

Sequence 125

CCGCGGTGGCGGCCGCCGGGCAGGTACCTCTGTGTGGCAGGCGATCAATGGTGTTTCTAT
CTCAGCCAGGGACTCAGGTGCGAGACTGAGAAGCCCAGGAGGCAAGAGGCACCTGCAGCT
CTAGAGCCCACTGCAGATTTTCCTTGAGGGCCGTATATCCAGAACCATCCCAGGGCTTGG
CTTTTGAGAGAAAATGTAGTCTTAAAGAATGAACAAGTGGGCCGGGCGCCGTGGCTCACG
CCTGTAATCCCAGCACTTTGGGAGGTCACGAGGTCAGAAGATGGAGACCATCCTGGCCAA
CACAGTGAAGCCCCGTCTCTACTAAAAAAAAAAAAAAAAAAAAAAAAGTACCT

Sequence 126

AGGTACTCACTNANATNANATNAGGNANNCTACATTAGANNTGNGGTNCNCNNNCTTNAG
NTANTGCNTTNTNTNCCATATANNTGTNTAACAANCTNCCACCAGACACCGATGGNGANG
AGCCTCATAGCAGATGTGGCAGTGGCCGTCACTTCCCATGACCCGCGTACCTGCCCG

Sequence 127

CCGCGGTGGCGGCCGAGGTACAGTGAGGGTGTTCAGAGGGAGGCACAAAGAATAGCTCTG
AGATTAGGCAATGGAAATGACAAAAAAGAGATGAATAAATCCGATTTGAATACCAACAAT
TTGCTCTTCAAACCTCCTGTAGAGAGCCATATACAAAAGAATAAGAAAATTCTTAAATCT
GCAAAAGATTTGCCTCCTGATGCACTTATCATTGAATACAGAGGGAAGTTTATGCTGAGA
GAACAGTTTGAAGCAAATGGGTATTTCTTTAAAAGACCATACCCTTTTGTGTTATTCTAC
TCTAAATTTCATGGGCTAGAAATGTGTGTTGATGCAAGGACTTTTGGGAATGAGGCTCGA
TTCATCAGGCGGTCTTGTACCTGCCCG

Sequence 128

CGCGGTGGCGGCCCGCCCGGGCAGGTACAACTGACCTTCTGGGCTGGATAATTCTTGGTT

Table 2

GGGGGGACTACTCTGCACATGATAGGGTGTTCATCTCTGGTCTTCACCTATCAGGTGCTG
ACAGCACCACAGCACCCCAACACCGCATTGTCAACAGACACTACCAAATGTTATCAGGGG
AGGAGAGTGATTCACCCCTCTTAAGGAACCACTGAAAATGATTTTAAAAATACCTATTAT
TTTCATCTTTAAGGAATAATTATTGGCCAGGCTCAATGGCACATGCCTGTAATCCCAGCA
CTTTGGGAGGCTGAGGCAAGCAAATAGCTTAAGGCCAGGAGCTCAAAACCAGCCAGGACA
ACATAATGAAACCTCGTATGTACCTCGGC
Sequence 129
ATCGACTACTATAGGGCGAATNGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACA
AGCAAAACCCACCTGTGTAAACACACACAGCAAAGTGATGTAAGAAGTTTCCATATAAAG
GGCTGTAGTATGGGGAGGTAATGTGCAGGCTGGTTTGCGGCTGTAGGGGCCACCTTGTGC
AGCTCTCCACTGATATGGTACCT
Sequence 130
CGAGGTACACAGAGTTNCAAATTAACCCCTCCAACAGCCTCTATCAACNTCNTGCACCAN
TGTGGTAAACCGTTACAACAAATAAACCTACNTNGACNGTCCACAGTTTACCTTAGGGTT
CACTTTNTGGTGTTATACAGTCTATGGGTTTGTATAAACAGATAATGACAGGTTTCCATG
ATTACAGTATCATACAGAATANATTCACTGCCCTAAAAAAATCTGTATGCTTCAGGAGGCC
GAGACGGGAGAATCGCTTGAGCCCAGGAGTTCAAGACCGGCCTGGGCAACATAACGAGAC
CCCAGCTCTACAAAAAAAGTGAAACTAACAGCAAAAAAAATTAGCCAGGCATGGTGCCAC
ACACCTGTACCTGCCCG
Sequence 131
TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATGGGTAAGTAAAACTCGTG
TAAGTTTCCGCATAGTTCACACTCATGGGAAACAAAAACTGCGCCTTGTATATCATCATC
CCCCGACTGTCTGTCACTCACAGAATTCAAGGCACATATGAAGTGCTCAATAAACAAGAG
CTTAGAGGAAATCAATGAGGCTTAGTGCATAGCCTTATTGCAAACTGTGGTCTCCAATGC
AAAAACAAAATAAAACAAAAACCCCACAACTAAAAACAAAGTAGGGGATGTTAACAAGAG
AACAAGGATATGAAACCTATCTCATGAAAGAATAAACATTTCACACAGAAATCATGAATG
TTGGTATTAATTTTAAATGACATTTGTCAGCCATAGAAAGTGATCTCTAATAACTCACGA
TAGAGCAGTTTAATGCCCAAATAATTGAAAAAAGAATTGGAGAGGTAACCTAACGGCAGA
TAAGATTAAGTAAGGAAAATTTCAATCTGTGTGAAGAAAGAGAANGCTTTAATTTTTCAA
CCCTTTGGGACAATTTTGGAACATCANGGCTTTTCCCCAAAACTCGACTTTATTTATCCT
ATATATATCCCTTANTTANGGATCCCTAAATTTATTTTTTTC
Sequence 132
CCGGGCAGGTACGTTTAAATGGGATTGTTTGTTTTTCACTTGTTGATTTTTTTAAGTTCA
CCAGATGCACTGTGCTGGGGTTCTGTGATAGTCCCTAATTGCTGTGCACCCTCCCAAGCC
TGAGAGCAGCAGGAGGGAGGGTTGCGAGACAGCCAAAAGGTGGACTGCCTCTCTCTTTGG
AAGCTGCATGCCGGAGAAGTGTAGAGCTGCTCCCAGCTGGAGAACTCAGGAGGACTAGGG
TGGCCTCACTAGCATCCCAGGCTAGTGGGCCTTATCCTACAAGGTTCAGTGGTGGTGAGG
TCTGCAGTCTATCACTGCTCAGCCCCATGGACTTGGCCCCTTTTCTGGGGAGCGTGCAAG
AAAACTTGGCCTTCCCAATTGCTGGAGCTGCAGCCCCTGGTTTTGGGGTACCT
Sequence 133
ACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGAACTTAAACAC
CACTATTTGTTGAGATGAAAAAAAGCATATATAGGAAGCCTTCAAAATGAAATGGTCAAG
GGTGAGTTTACACAGATAGATAGATTTAGGTCTCTTCCTTTTGCTTTGTGAAAGCATCTA
GTGTTTTAGGTGTCAGAGAGGGAGATATCCTTACAAAGCAGAGATTATCATTACAGGTTT
ACATTTCTTACAAAGAGTTTCAAAATAAACAGGTAAATGCCAAAAACATATATTTTGGTG
ACGGATTAATTCACTAGTTGGTCTATTCAACTTAACTTGTTTCCTAATGAGATTAAATTC
ATGCACAAATAACCAAACCAAAAATTAAACCAAAAGAATACTCACCAGAAAGGATGTCCT
TTACAAGAGCAGATCCCCCAAAATGTAAGAGTTCACTGAAAAGGTGGGAGCTCAAACCAA
GAGAGGACTTATCTCGCAGCATAAAGACAACTTGTACCTCGGCCCGCTCTAGAACTAAGT

Table 2

G

Sequence 134

AGGTACTAACAGTCAGGAACAAATAGAACACATAGAGAGGACAGTGGGAGGTCCCCCTGG
CTAAAGCAGAGGGTGTGTTGAGAGAAGGAAACCTTTGCCTCAATGGATCGTAGGCAAACT
GAGAAGGACCATAACACCTTGCTGAGAAGTTTGAATGTGATTCCTTGGTGACCACAGCAG
GAGGTCCTGAAGTCCCTGTCCTTCAGATGCAAACAAGGAGGCTGTCCCATACAGACTATC
AGGGAAAAAATGCACTGTTTATCAAAAGATATGAATGTTCTTGACAGGCAAAGCCCTGCT
CAAATGAAATGGCAGTGCAGGGAGATGATATTCAGTGTGATGCAGCTGTGAGTACCTGCC
·CG

Sequence 135

CCGCGGTGGCGGCCGCCCGGGCAGGTACNCGGGACACATTCAGAGGTGAGCCCAGAGCGG
GTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTCATGTCCAGGAGCAGCCCCACGCCCT
GTATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGA
ATGTCAAAATGTCATGTTCAATTTTACATTCAGTGCCTGGAATCTTTTCTTCACAATTGA
AATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATAC
TACATAAGAAGCAAGACCACAGACTCAAGACGGACATAATTGGATTTTTTTTTGCCATGGC
CTGGAAAGAAAGGTACCT

Sequence 136

ATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCCTGTAGTCCCAGCTACTCT
GGAGGCTAAGGCAGGAGAATCGCTTGAATCCGGGAGGTGGAGGTCGCAGTGAGCCGAGAT
CGGGCCACTGCACTCCAGCCTGGGAGACAGAGCGAGACTCTGTCTCAAGAAAAAAAAAAN
NAAAAANAAAAAAAANTTGGGGNGNANTTTTTTTTTTNCCAAAANANTTANGGNCNTNTNCA
ANTTTNAAGTTTTTTNTAGGGGTNTCNNTTTTTNTAGAAATTTTTTTNAAAAANCCCCANNTNT
TAAACNTAATNATNTAAAATTTTTNTTNTNATNAANCCNNTTTTTTANTAANNGNGGAAANT
TAAACCCCCNTTNNNTTANNNTAAAAAANTACCAAATTAATTGNNGGAANNTANGGNTTNT
AAANANGGTTTTTTTGTANATNNNAAAGTGGNAAANCCAAAACTGAANTTCAGGCCTCCTG
ACTTTTATCTAGGGCTNTTTTTTGCATNATTNGCCTCTGCTNTNAANAANATTTTTTTAAAT
GTGCTTTAAAACCATTGGGCTTTNAAAAATNTTTTTTTATTTGGAATTTGCCNGACCCAAA
ACCTNNNNNCNTTTNCTTTTTTTTNGGNAAACCTGGGCCAAANCAAAAATTTTTCCNNNNA
AAAAANNNNNNNNNAAAANNCCCCCGGCNCCTTTNAAAAAANGGATTCCCCCCCGGGCGG
GGGNNTTTTTTTTTTTNAAATTTTTTTNCCCCCCCCC

Sequence 137

ANGTACTCAAGCCACCTGCCTGTCATGGCCCCCCAAAATGCTGGGATTGCAGGCCACCAT
AACCGGTCATCGGGGCAACTATCCTTCAGGGCTTCCTCCAGTAGGGCTCCCCAGGTTGGC
CTTGAGGGCCACAATAAAAAATCTGACTTAGCTATACTCCTTCCCTGTCCCCAACCACAG
TTATTCTTGTGGATGAGGCAAATGGCAGCAGGACAGCTGGAGTATACCAGAGTTGACTCA
TTTATTTTATGCATGCTTAGTGTGGCATCCCTGGGGACATGAAATTCCAGTGAAATCCAG
TCTTTGTGCTGGAGAAGCTCATAGATCTGTGGAGGAGGCAGATGCCCACCCACTCACTGT
ACCTGCCCG

Sequence 138

CCGCGGTGGCGGCCCGAGGTACTTTTTTTTTTTTTTTTTTTTTCCCAGAAAAGGTTTCCAATA
GAGATTGGAATGGTTTTCCAATAGAGATCTTCTTGGGTCCAATGATGATGTAATACTAAT
GCTTGTTAATATACTTTACAAAATTGCTCTCTAAAGCTCTTGTTTCTATCTGAAATACCC
AATTAATGACAGTTTGAACTGTAAATAACCTCTACAAGGTATACAAACTATTGACTGTTA
ATATACTTTATAAAATTGCTCTCTAAAACTCGTTTCTATCTGAAACATCCACCAATTAAT
GATAGTTTGATCTACAATAACCTCTATAACATATACAAACTATTGGTTTTTTTTGTTGNTG
TTTTTTGTTTGTTTTGGAGATGGAGTCTTGCTCTGTTGTCCAGGCTAGAGTGCAGTGGCA
TGATCATGGCTCACTGCAACCTCTGCACTCCAGCCTGGGTGACAAAATGAGACCCTGTCT
CAAGAAAAACAAAACCCAAAAATTTNNACAGCAAAACTCAAAA

Table 2

Sequence 139
CCGCGGTGGCGGCCGCCCGGGCAGGTACCTGAAGTCCCAGCTACTCAGGAGGTTGAGGCA
GGGGGATCCCTTGGGACCAGGAGTTTGAGGTTACAGTGAGCTACAATAGCACCACTGCAC
TCCAGCCTGGGCAACACAGCAAGATCCTGTCTCCTTTTAATGAAAAAAAAAGAGGGGAGG
GGGGCAGAGGAGACAATAGGTATTTGCCAGAAGAATTACTAAACCACCAGTAAATATGAA
ATTATGCACAACCTCAGTGGCAATTAAAATGCAAAATTAGAAAGACAACTTTAGGCCTAT
AAGATTCATAATGATGTTTTTAAAAAAACTTATTGAAAAAGGTATAGGAAAACATGTTCT
GTATTTTCATCTCTTACTATGTTTTCTTACATATTAATAATAATCCCCCACTTCCTATCC
TTAGGAAATATCAACTCTTCCACCTTTATTGGGAACTCTAGCATCTCTACTGTAGTCTTT
TCTACTCCCCAACTCATACCATAATCAGGGGCATTCTCGACGTACCT
Sequence 140
GATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTGTAACTGAAGAATTAAAGGCAAAAAT
TTAAGACTGGAATCAATGGAGAATAGAAAAAGTTTTAGCTGGCAAGTGAATATGCTTCAG
ATAAATCAACTAAGATAGACTGAAATAAGCCAGGGGTAAGAGTAGTTCTTACTAGAATAG
AAATGCCAGCCGGGCGCCGCGGCTCACGCCTGTAATCCCAGCACTTTGGGAAGCCAAGGC
GGGTGGATCACGAGGTCAGGAGATTGAGACCACGGTGAAACCCCGTCTCTACTAAAAATA
CAAAAAATTAGCCGGGCATTGGTGGTGGGCGCCTGTAGTCCCAGCTACTCGGGAGGCGGA
GGCAGGAGAATGGTGTGAACCTGGGAGGCGGAGCTTGCAGTGAGCCGAGATTGTGCCACT
GCACTCCAGCCTGGGTAACAGAGCGAGACTCCGTCTCAAAAAAAAAAAAAAAAAANTTTT
NAAAAANNTTTTNNTGNNGGGGGGGGGCNTTTAAAAAANANGGGTCCCCCGGGNNGGGGGG
AATTNNNTTTAACNTTTTTTCCCCCCNCCCCCNNG
Sequence 141
CGAGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAGCTCCCACCT
TTTCAGTGAACTCTTACATTTTGGGGGATCTGCTCTTGTAAAGGACATCCTTTCTGGTGA
GTATTCTTT
Sequence 142
ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGAACTTAAACACCACTATTTGTTGAGA
TGAAAAAAAGCATATATAGGAAGCCTTCAAAATGAAATGGTCAAGGGTGAGTTTACACAG
ATAGATAGATTTAGGTCTCTTCCTTTTGCTTTGTGAAAGCATCTAGTGTTTAGGTGTCAG
AGAGGGAGATATCCTTACAAAGCAGAGATTATCATTACAGGTTTACATTTCTTACAAAGA
GTTTCAAAATAAACAGGTAAATGCCAAAAACATATATTTTGGAGACGGATTAATTCACTA
GTTGGTCTATTCAACTTAACTTGTTTCCTAATGAGATTAAATTCATGCNCAAATAACCAA
ACCAAAAATTAAACCAAAAGAATACTCCCAGAAAGGATGTCCTTTACAAGAGCAGATCCC
CCAAAATGTAAGAGTTCACTGAAAAGGTGGGAGCTCAAACCAAGAGAGGACTTATCTCGC
NNCATAAAAACAACTTGTCCTCGCCGCTCTAAAACTANTGGAT
Sequence 143
GCTCCCCGCGGTGGCGGCCGAGGTACCTCAATGGTTTGGAATGCAGAAAGTGTAATTAAA
TTTGAAGCTGAAAAGGAAGGCACCTTGGAGAGTCCTGGCTCTTATTAGCTTTCANGCTAG
GGACAAACAGATGCCACAGACCATTTGAGGGCTGTTTGTTGGATGATGCTAATTGTTTAC
TGTGCTTATTATTCTGTGACATCCTTAGAATCACCCAGGTGGGGAGATGTCAGACTAAAG
TTACCAATATCTGTGCTAAGAAAAACTCAACACTTCTATAGTTTAAGTCCATTTTGGTCA
AAGCAGAAGGATTCAAAGCCATTCTGAGGTTTATGAACAAGATTAAGAAAGCACCTGGCA
CTGATTTTAGCTTGTAAAAGTGGAACCCTCAGAAATTATTTCAGATTATTTCATACNCCT
AGAAAAAATATATAGAGAAAGGTGTTTACNAAGAAGAAATNATATCAAAAACCAAGTACA
TTATTCAAAGGTCTATTTCAAATTAATAATCATTTGAGCATAATTTCTCCCTGTCAAAAA
CCACTGGTATTTTATTTTC
Sequence 144
CTCCCCGCGGTGGCGGCCGAGGTACTATGTCCCTCTCAAGTCCTGAATCTAACTTAGGGA
GTAGCCAGGAGACTATGAGAAGGAACTACTCCAGGGAAAGAACATCCCATGCCCTTTCTG

Table 2

AAACACAAGTGGCAACCATAAGACACCACTCTTTATCCTACCTTTTAGCAGACTATGCAC
AGTCCCAGGAACGAGGCCAGAACTGATAAGCAAGTGTGGCATTGGCTCCAGCCAAGGTTA
TGGGATTCGGGAACCTCCCCATCCTGGAATTGGGCTGGGAGGGGTTTCACCTGGGAGCCA
CAGTTTTATGGCCTGGGGTTATATTGCAGTCCAAAGACAAACTGCTTGTGATT
Sequence 145
TTTGTTTTTTTGAGACAGAGTCTCGTTCTGTCACCCAGACTGGAGTGCAGTGGTGCGATC
TCGGCTCACTGCACTCCAGGCTGGGCAACGGTGTGAGACCTGGACTCAAAACACACACAC
ACACACACACACNCACNCACACACACNAAGCGGGAAAAATTCTGGTGCTTCGCAAAGTCA
TCACAATACAAATCAAAATAAATTTGTCTTAAAGCCACTTAGACAATACTAACCAACTTT
CACCAGGTGTTATCCATGCACAACCAAAACCTTTTACTGTGAGAGCGAAGCTCTTATGGA
GTTCTACCTCATCAGTGNTCTACCATTNTAAGATATNAAAGACTAGTNGATTCTATTCAT
GAAACCATTTTTTCTTGGCTTG
Sequence 146
GCGAATNGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTAAATTTCTAGGAGCAA
AGTTCTAGGGGCTGTGTCAGGCCAGCTGAGTGAGAGGGTGGTGTGAGGAGGCACAGGCAG
GTCCTTACTAATCACACAGCATCAGAGCTGCCAACTCGAGTGTCGACAGCCTTTCCTGGG
CACACCTTCCTGAACTCACTCTGAAGGGAGGGAGGCTATTAGGAAAGAAATATAAGCTGA
AAATGCCCCCGAAAGGTCCACTCACAGAAAACCAAGAGCTGGCCGCCACCCTGCCAGCAG
TGGTGACGGGAATCATGCCAGTGACTCANGCANCAGCCACAGCTTCCAAAGTCCTGGAGC
CGGCCCCGCCCAACACACCGGATGCCACAAAGCACCACCTACCTGAGCATACTGTTCCTT
GAGTGGACCAGAGAGCCGGAGGACAGCACAGACATCAGCTCCAAGTCTGCTCTTGCANCG
CCTTCGGTCACGAAAGTCCTTTCCCGGATTTCCTCTTGCCCGCTGAACAAGCAAGTACCC
TCGGCCCGCTCTTAGAACTAAGTGGATC
Sequence 147
CCGCGGTGGCGGCCCGAGGTACACGCCTGTAGTCCTAGCTACTCAGGAGGCTGAGGCAGG
AGGATGGCTTGAGCTGAGGAGGCAGAGGCTGCAGTGAGCCAACATTGCAACACTGCACCC
CAGCCTGGGCATTAGAGCCAGACCTAGTCTCAAAAAATAAATAAAATAAAATAAAATAAA
ATAAAATGTTTAATAATGCCTACTCAGACAAAGAAAGGCTCAGGCAAAAGACTGAGTCTG
ATCTTCTACATTGAGGAGACCATGTTGATTAGTGTTATATTCAAAAAAAACCAATTCCCAA
GTAATGCATACACAGCTTGAAAGAAAGGAAGTATTCCAGCTACACCCTCCAAGTTTTCTA
CATCTCAGTAAACGGCATCGCCACCCACCTAGAAACTGGGCATCATTTGGTTCCTCGTTC
TCCTTTTTTTTTTT
Sequence 148
CGCGGTGGCGGCCGAGGTACTTTACTCACCCTTCCTCTGACAGAAAAGGATGAAGTCAAG
GGCCTGGTAGAGGCACCACTAAGAAAGGCATCTGAAAGGACCAAAGAGAGTGACCAGCAA
GCATTTTTTACAAGGCTGAGGAGCTGACAGCTTCCATGAAAGGCTGGACCACCCAGTGGT
GAAAAGCATCATCTGGGTTACCTTGTGCTGCCATAAAACACACCACAGACTTGGTGACTT
AAACCACAGATATTTATCTTCTCACAATCCTGGAGGCTGGAAAGTCTGCAATCACGGTGC
CAGCATGGTCAGGTTCTGGTGAGGGCCTTTTTCCTTCTCACTGTGTGCTCTTTCTTTGTG
CATGGAGAGAGAGAGCATGAACAAGCCCTCTACTGTCCCTCTTAAGAANGGCACTTANTC
CCATAATAAGGCATTCACCCTTCTGACCTTGGCTAACCCTAAGTTNAAGTNCCTTGCCCC
GGG
Sequence 149
CCGGGCAGGTACGCGGNGAGACTGANTGGGGTCACAGCACANGGCACTGTCTTGCCTGGC
TTTATCTGAGCCAATCACACCTNTCCTGGCCACTATCTGTGGTCTAGCCCCCTTTGTGCA
TAAAGAGAAAGAAGAGCCTTGAGGACCAGCCTAGTCAGGCTGAAGAAATGTCAACAATTG
GGAGTTTTGAAGGATTCCAGGCTGTGTCTCTGAAGCAAGAGGGAGATGACCAACCCTCTG
AGACTGACCACCTATCGATGGAGGAAGAGGACCCGATGCCAAGACAGATTTCAAGGCANT
CAAAGTGTGACCNAATCAACTCTTTACCCCAATCCTTATCATCAAGCCTTATATCTCACG

Table 2

GAAGTACTTTGCTACA
Sequence 150
CTGCCCGCGGTGGCGGCCCGAGGTACTTTTTTTTTTTTTTTTTTTTGTGATGGGGTCTTGCTC
TGTCGCCCAGGCTGGAGTGCAGTGGTGCGATCTCGGCTCACTGCAAGCTCTGCCTCCTGG
GTTCACACCATTCTCCTGCTCAGCCTCCTGAGTAGCTGGGACTACAGGTGCCCACCACCA
TACCAGGCTATTTTTTTTTTTTTGTATTTTTAGTAGAGACGGAGTTTCACCGTGTTGGCCA
GGATGGTCTTGATCTCCTGACCTCGTGATCCGCCACCTCGTCCTCCCAAAGTGCTGGAAT
TGTAGGCGTAAGCCACCGTGCCCNGCCAGAAAGCACCATTTTTTTATATACCTTTAAAAA
·AGAAAAATATTGCTAACTAAATTAAGACATGTCTTCTGTTGTAAGACATATTCTGGTTTA
AGATATGTTAAATGGAAAAAAAACAAACAAACTCAAAACCCATGTACCTGCCCGGGCGGG
CCGCTTTANAACTAG
Sequence 151
CGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAG
AGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGA
GAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGA
GTTGTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGT
TCACCTTCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGG
GAGNCCNGANGAGCAAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAAGTTCCT
TATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTGAAATTTGC

Sequence 152
CCGCGGTGGCGGCNCGAGGTACCACCACCTATCCACACTCTCACACAATCACCCCTTTTG
AAGTAAAGCCTATATTTTAAAAAATAACCATTACAGATTGTGAGTGCAGTCTAGGATCACA
TAGCAGAACTAAAAGCTAACTGGCCCACCCACAAAGTAAATGTGAGACAGAGGGCTCGGG
GTAGCCATACTCTAGCCAAGTAGTACCTGCCCG
Sequence 153
CGAGGTACTTTTGGAGTATAAGAGAGTCAGTGTTTTCTAAAACAGTTGTTCTTAGAGAAT
AATAATGATATCTACCATTACTGAAAGATATTTTATTTCACCCTAACCATAACTATATGA
GGTAGGTGTTGGGTTCTCTAGAGGACCAAATAAGTGACAACCTCATTTTCTACCTGAGAT
CTGAATCCATGGAAATCTTTTTTAAAAGATTAAAAGATTGAGAGATTAAAAGACTGCTTT
ATAAATGATGTTAAAAGAATGTAGCTTTTTATTTGTTGGCAAATGCACTTCCTAACCCTG
AACTTCCCCTCCCAGTCACAGACAATGTTGGGCCAAGGTAGACCTCCTTCACAGAAAATC
CTGCTCTTGCCAAACAAGAGTATTGGAATAACAGAGTGAACTGTGCTTCCTATGAGCAGT
TTGCTCCAAGTGTAATTTGGAAGGGCAGAGCTACACATCCCTAGTTCCTTATTCTCATCA
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CCTTT
Sequence 154
CCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCT
GAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAAC
AATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGAC
TTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCATC
TGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTT
AGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCC
ACTGAAGTTCCTTATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTC
C
Sequence 155
GCGGCCGANGTACCTGGAATTCAGGTTACAGGTTTTCCTTTTCAGGGCAGGGTGCCCTCC
CATCTAACCTCTCTACCCAGTCTCCCCCAAACAAGCTGAAGGCACTTACATTGGCATGTT
GCTAGGCATAAGGTTACTGCAAGCAGCAACAAAGTCCGCGTATCCACAAAGCTGAGCATG

Table 2

TCTAGCACTTAGACATGCAGACTCCTTGTGTCGCAAAGCCTCTGGGTCACCGGCGGAGGT
ATCACCTGGCGGGCGCGGGCATGCAGTCGTGGCCAGTACCTGCCCG
Sequence 156
CGAGGTACCAGGCTAGCCTTCCTGATGACTGCAGCAGCAAGGCTGCCCATGGGCCACCCC
AGACAGCCTGCTTAGAATCTCTAGAAGAGCTGCTTGATGTAAGACATTAAGACATTCTTA
AACGAAGCCAGTCTTCAAGGACTAGAATAAATCCTTAATTCTTCCAATACATAGACATTA
ACGTAAAGCAACAAGAAACAAGGAAAGTCAAATAGACATAGCACTCCCCAAAGCATATAA
TAATCTCTAAGTTGATCCAAAGATACAAACTGCCTGACAAATAATTCAAAATAGCTCATT
·AAAAAATGCTCACTAAACTTCCATAGGATACAGGGAAACAATTCAATGGAATCAGGAAAA
CCAATAAATTACCAAAAGAGGATATTTACCAAATTACCAAAATTACCAAATTACAAAAT
TACCCAAAAGGAGATATTTAACAGACAGATTGAAATTTTAAAACCAACCAACCAACAACA
NCNACAACAAAAATCAAACAAGAATTTCTGGGGCAGAAAAATTAGAGGTGGAACGGAAAT
AAAAACCCACCCGGNGAAAATATCAAGTTACCAGAATTGGATCAAGTTGGAAAAAAGATT
TTTTCCATGAATTTGGAAGACAAGTTATTTGGAAAATNTACCCGTCNGGAAGAGGAAAAA
ATTNAACCANATTTAAAAGGGGANTTAGGAAATₜTATTTTTTAGAAATTTTTAAGGACTT
TTGGGAAAA
Sequence 157
ATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACAAGAAGGGCTGAGGCTTCTGTCTGAGT
TGACCGTGACCTGTGGTTACAGCATTTTTAGGACTTCGTAACAGAATGATCCACAGAGGTC
AGCAGGCCCTTGAAAGAACGCTGAAGGAAACTTGCATACAAACAGTCTCAAGGAGGCAAA
CACATGCTTCAAGCGCTGCCCGCGTACCTGCCCG
Sequence 158
GCGGCCCGAGGTACACCTGTAATGGCTACCCCGCTGGCTCAGAGCTCTGCCTCACCGCCC
TGCCCCGGCACCTGCAAGCCAGTGTGCCACTTTTTTGATGTTGTATGTTTTTAATATTCC
CTGAGACAGACTCCAGAGTTCTGAGTTTTCTTACTTGGGGTGTCAAATTATATTCCAGGA
ACCAATTTGGGTTTTCCTGGCTTCTGGTTAAAAAGCTGGACAGATTTTGAGTTGTTTGCT
CTTAGTTCTCTCATAAACTGCACTATTTTTAGGGCACTATTTTGTAGAACACAAGATTTT
TCAGGAAGTATATTGAAAGGCCTGTACCTGCCCG
Sequence 159
GGTGGCNGCCCGCCCGGGCAGGTACTTGGTGAAGTGAGATTCAGACTGAGTGGGGTCACA
GCACAGGGCACTGTCTTGCCTGGCTTTATCTGAGCCAGTCACACCTCTCCTGGCCACTAT
CTGTGGTCTAGCCCCCTTTGTGCAGAAAGAGAAAGAAGAGCCTTGAGGACCAGCCTAGTC
AGGCTGAAGAAATGTCAACAATTGGGAGTTTTGAAGGATTCCAGGCTGTGTCTCTGAAGC
AAGAGGGAGATGACCAACCCTCTGAGACTGACCACCTATCGATGGAGGAAGAGGACCTGA
TGCCAAAGACAGATTTCAAAGGCAGTCAGAGTGTGACCCGAATCAAACTTTTTTACCCCA
AATCCCTTATCAATCGGCCTTATATTTTCAC
Sequence 160
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACGGAAGAACA
TGGGAGTCTGTATGCAGCACGACGTCTTGTTCAGTTACCTCACTACTAAGGAGCACCTTC
TCCTATATGGTTCCATCAAAGTTCCTCACTGGACTAAAAAGCAGCTCCACGAGGAAGTAA
AAAGGACTTTAAAAGATACTGGACTATATAGCCATCGTCATAAGAGAGTTGGAACACTGT
CAGGAGGCATGAAGAGGAAGTTATCTATATCCATAGCTCTCATTGGTGGATCAAGGGTAG
TAATTTTGGATGAACCATCTACTGGAGTTGACCCATGTTCTCGCCGAAGTATATGGGATG
TTATATCCAAGAACAAAACTGCCAGAACAATCATTCTGTCAACGCACCACTTGGACGAGG
CTGAAGTGCTGAGTGACCGCATCGCCTTCCTGGAACAGGGGTGGGGCTTANGTGCTGTGG
GGTCCCCCATTTTACCTCAAGGAAGCCTTTGGCGATGGGTATCACCTTACGCTTACCAAG
AAGNAAGAGTCCAAATTTAAATGCAAATGCNNTATTGTGACACCATGGCCCGNGACAGCA
ATTGATCCCAATNACATNTTCCCCNAAANCCTTACCTTAANGGGNGGATATTTGGGGGGG
ANAGCTTGGTTTATTGTNCCTTTGGNCCGCTTTANAACTAAGGGGANCCCCCGGGCTGGA

Table 2

NGGAATTTCNATTTNTAANCTTTTNNGGATNCCGGCGNACTTGGGGGGGG
Sequence 161
CGAGGTACATTTGGCTGATACTGCAAAAATGACGGTCCCTGGGTTAACGGGAGGCATGTC
TGGCTGCTAGGTCATCCCGAGAGGCAGATTGGGGCAGGTTTCTAGGAAGTATAGGCTCGC
CTTGCGGAGGACCAGGTTGGCACAGTTTGACTGCTGTGCACTAAGGCAGGGCACAGAGCT
GATGCCCTCAAGGTCAATTCCAGCCACATTTCTCTGTGATTCTATGACTCAAAAGCTTGG
AAACAACCTCAAAGGATTAAATAAATGGGGGAACAAAGTATTTGCTCTCCTCTATTAAGC
CTTGGCTGGGAAGTCTTTCTTCCACACTCCTCACATGCAAAATGCTGTTTGTGGGAGCAG
·ATTAACATTTCAAACCACTTCCTGCAATTAGACGGGAACACCTGGTTTTGCAATAACTCT
CATTTTCTGTGTGTGCTGAGAGGTTTTT
Sequence 162
CCGCGGTGGCGGCCCGAGGTACAGAACTTAAACACCACTATTTGTTGAGATGAAAAAAAG
CATATATAGGAAGCCTTCAAAATGAAATGGTCAAGGGTGAGTTTACACAGATAGATAGAT
TTAGGTCTCTTCCTTTTGCTTTGTGAAAGCATCTAGTGTTTAGGTGTCAGAGAGGGAGAT
ATCCTTACAAAGCAGAGATTATCATTACAGGTTTACATTTCTTACAAAGAGTTTCAAAAT
AAACAGGTNAATGCCAAAAACATATATTTTGGAGACGGATTAATTCACTAGTTGGTCTAT
TCAACTTAACTNGCTTCCTAATGAGATTAAATNCATGCACAAATAACCCAGCCNNANCAT
TAAACCAAAAGAATACTCACCAGAAAGGATGTCCTTTACAAGAGCANATCCCCCAAAATG
TAAGAAGTTCCTGAAAAGGTG
Sequence 163
CCGCGGTGGCGGCCGAGGTACATACTTTCCTGTGTCTTGCTGTTTTCACTTACTATATCT
TGGAGCTATTTCTATATTGCCACATTCAAAGCTTTTTAAAGCATTTTCAGGATAGCTATT
TATAGTCAAGATGTATCACAGTTTTGTCTTATTTACCTGTCCCCCCCACTGATGAACAGTC
TGGTTGCTTCTGTTTGTTTTTTTCTGTTATTGTAATAAACATCCTTATAGTTGCACTTTT
TTATTTTTAAATTTTTTTTTTATTTTTAATTTTTTTTTTTTAATAGAGACAAGGTCTCACTG
TGTTGCCCAGGCTGGTCTTGAACTCCTGAGCTCAAGTGATCCTCCTGCCTCAGCCTCCCA
AAGTGCTAGGATTACAGACGTGAGCAACCACGACTGGTCAATAGTTGCACTTTCTAATGT
GTGTTTGTAGGACAGTTTTTCAAGTAGTGTAGGGCATGAAGGTTTATAGTTAGGTAAAAA
TGGTTGCTAGATTGGTACCTGCCCGGGGCGGGCCGNTCTANAACTAGTGGATCCCCCCGG
GCTGGNAGGAAATTNGATAT
Sequence 164
CCGCGGTGGCGGCCGAGGTACGCGGGTATGTCTCGAGAAAAAAGCCAATACAGTCTCTTT
TGAGGACCTTGAAAACTAACCTGCTAGGGATATCATACTAGGCCTCTGGGTGCCGCTGTC
CGCCAATCCGTGGCTGGAGGGAAACAAAGCAATCCACTGACGCAGCAGTCCCCGCAGGCT
TTTGAGACACACATTAGGAGAGGACTCTGCCCGCTGTCTGTCTCACAATCTGCTCGAAAT
ATCTTGGTCAGGAATCTCAGGATGTCTAGTGACCCCGAGTGAGGTGCTGCCTTTTATTCC
TGAGCATCTTTGGAAGCAGGAAGCAGGGAGCAACGGTAGCGAGAGGTATTCGGATCTGAG
TATCAGCAGGAAGAAGAAACAGAGGAAGAAGTCCCCCATAAGGAAGGCGTGAGGAGCGCA
NGAAGCGCTGTTTCCCTGCCTGAGATCTTTATTCTACTAGGTC
Sequence 165
CCGCGGTGGCGGCCGAGGTACACACAGTTAACCCAAAACAGGCCTCTCTGAAAAAGCCAT
TGCCATGGACTGCCAGACAGACAATGACAAGACACAAATACCTTCTGGTGTGTGAGCCAC
GGGACATGTGAGCTTCCCGCTGATGCTCCTCTTATATCAAAGATCACTTTCACAAGATGA
GCGACTCAATATCTTTTATCAAACCAATGATCACCTGCAAGCTATGGTATATTTTTGCAG
CTGTGTAGAGCTATGTGGCATGAGAATGTGGGACTTATAAATTGCTGATCCAATAAATAG
ACATTATGGGCAACAGTGTCTTATCAGCTAGTGTGTACCTGCCCGGGC
Sequence 166
CGAGGTACTCAAGCCACCTGCCTGTCATGGCCCCCCAAAATGCTGGGATTGCAGGCCACC
ATAACCGGTCATCGGGGCAACTATCCTTCAGGGCTTCCTCCAGTAGGGCTCCCCAGGTTG

Table 2

GCCTTGAGGGCCACAATAAAAAATCTGACTTAGCTATACTCCTTCCCTGTCCCCAACCAC
AGTTATTCTTGTGGATGAGGCAAATGGCAGCAGGACAGCTGGAGTATACCAGAGTTGACT
CATTTATTTTATGCATGCTTAGTGTGGCATCCCTGGGGACATGAAATTCCAGTGAAATCC
AAGTCTTTGTGCTGGAGAAGCTCATAGATCTGTGGAGGAGGCAGATGCCCACCCACTCAC
TGTACCTGCCCG

Sequence 167

CCGGGCAGGTACTCTTAAAATACCCCCTTAAAAAAGCTAAAACACCACTTTGGCAAAAAT
TAAGGCATTTAACAATTCATGTCTTAGTGTATTTCCTGTTATCATTTGCTCAGATATCAT
AAGCTGTGGTTCATTCATCAATTTCCTACAGCTTTGAATCTAAGGCTACAAAAGTCCCAC
TGCTGTTAAATCCTGGAGCAGCTTTTTACACAATTCTACAATCCTCTTGTCTTCAGGTTA
CCGAGAGCCTATGAAAGCCTGGAAAAGCCCCCAAGGGAGTGCCACTGAACAACTCTTCGC
CAGAAGTGGGATTTTGCTTGAATATATCAGCCAATCGATAGCATNCACAGAGCAGTCAGG
GAAGTCTTTGAAACTTGNCTGAATTTACACACAAGATCAGACCCACCGGCTGTTTGGGCT
TAATGAGACCTTAGAGATCACCTAGTCTGGGGTTTTCATTCTCCATATGAAA

Sequence 168

TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACTCACATGCTGAGGGTAA
GAGGCAGAATTTCTTTTGCTTGTAAGTAACAGGATCTTTTCCAGAGCCTGGGTCTGAAGA
CCCCAGGTGTAGATGGAACTTCAGTTATGACTGGATCCGTGAGTTCAAAGGATGCCACTC
CCCGCGTACCTGCCCG

Sequence 169

CTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACTTAGGA
CTATGGAGAAACAATGGAAGACATTAATTCTGCTTGTCTTGATGGTAAGGGTGGGGATGA
AAATACAGATCGAATTTGGGGGAGCATGTTAAGGTTAGGGGAATAGAGATAGCTTATATT
TAGAACAAGTTAGTAGAGACTGTATGATTTTCCAAATAGAGAAGGGTAAAAAGACATTCC
ATAGAGGAAGAAAATTACATGCAAAACCACAGAGACCTTAGTTTATAAAGAGTAACTGGG
TATGGCCGGGTGCGGTGGCTCACGCCTGTAATCCCNGGCCTTTGAGAGGCTTGANGAGGG
GTTGATCATTGANGTCAGGAGATCGAGACCATCCTTGGCTNACACGGTGAAACCCCGTCT
TTACCTAAAAA

Sequence 170

CCGGGCAGGTACGCGGGGGGGACTTACAAGATGGATAGGACCTGGTGGCAGCTGTCCTTGA
GGAAGCCAGAGCCTGGAGAGACAGATCTCATGTTATAGCAGAGTACCT

Sequence 171

CCGCGGTGGCGGCCGCCCGGGCAGGTACTTTCTTGGCATCACATGGTTTGGTTCTGGCAC
AGCCAAGCCTAGAACCCAACCTTCCTACTGCCTGCTGTGTTTCTTCACCACCCAGTTGCT
CCTTGGCAAGTGAACCAATTCAAAGGCTGTCTTACTTGTCCAAGGACAGAGAGAAAGGTG
CATCCTGGGTGACTGGAAATGGGAGTGGGAGGGAGAGGATGGAGGCAGCAGACATTGAAA
GTAAGTATTGACTAGACTTGGTGACAGAATGGCTCAACTCGGCTCAATGAAAAAAGGGAG
TCCAAAAGCCAAACTTTCAACCCTGGTGGGATGGCTATACAGTTAAAGTAAAGTAAAATC
AGTAGAATGGTGTTGGTTTTTTTTGCTTCATGATGAATTTAAAGGGACTGCCTTATNCAGA
TAGAAATATGTTAAAGATATAGGTAGGAGAGGTAGCTCCATTAAAGATCAAGATTTTGAG
ATTAATGCCACAANAAGGAGAGCTTGAACCCTTGTACCTNGGCCCGTCTAAAACTAATGG
ATC

Sequence 172

GCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGACATTGTAGTGGGTGTGA
TGGAACAGGCTCTCAGCTGTGCATTGGGGTGCTTTAAATTCTCATCAAGGAACTCATCTT
TTGGAGTAAGATACTGTGTCTCCGGGAGGCCTTTGCTGGAAAGAAAATACATTNGCTGTG
AAAGTNCATAAAGACAATGAATCCTTAACTAANGTTAATAACAGAGTGGGAGCANGTTCT
GGCCATGTGTCAGGCGATCATAAGCANCAATTCTGAACGGCTTCCCGATATCAACATCTA
CCANCTGAAGGTGCTCGACTGCGCCATGGATGCCTGCATCAACCTCGGCCTGTTGGAGGA

Table 2

AGCCTTGTTCTATGGTNCCTGCCCG
Sequence 173
CCACCGCGGTGGCGGCCCGCCCGGGCAGGTACTTACTTTGATTCCTCTAGTGCAAGATTA
TAGTGGGGTTATACCTGAGACTTCAATAAATGTTTGACTAACTAAACTAAAATAGCTTAG
GGTAAGGACTACTTCCCCAAACGCCCTTTTAAACATGTGAGAAAGGGAATCTCCCTGACA
TACTGGTATGGCCATTTGTAGCAATATACTGAGAGTGACTTGGGTGATTTTCTGGGGTGA
TCAACCACATTCCATGAGCAGGTTAACTGTGGAAGACACCTGCCCTTGAGCATCGCGTTT
GGGCCGCATGCGTCAATGGGGAAATTTGTGTTTCCATTCTGCTTCTTGNTTTGCCTTCAC
AACTTCAAGGGATAGAAGCGTATTCCATTTTTAGTTAATAATCAAGCTCTCTGGGGCTTC
CATGTAATGAGTCAAGANACTGATGACTGACTCCACTCTGCTCATTATCATGTCTCCCAA
AAACAACC
Sequence 174
AGGTACACACAGTTAACCACAAAACAGGCCTCTCTGAAAAAGCCATTGCCATGGACTGCC
AGACAGACAATGACAAGACACAAATACCTTCTGGTGTGTGAGCCACGGGACATGTGAGCT
TCCCCGCTGATGCTCTCTTATATCAAAGATCACTTTCACAAGATGAGCGACTCAATATCT
TTTATCAAACCAATGGTCACCTGCAAGCTATGGTATATTTTTGCAGCTGTGTAGAGCTAT
GTGGCATGAGAATGTGGGACTTATAAATTGCTGATCCAATAAATAGACATTATGGGCAAC
AGTGTCTTATCAGCTAGTGTGTACCTGCCCG
Sequence 175
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGGGAC
TGGGGAGAACTTCGGAGGATGTTCATGTCCAGGAGCAGCCCCACGCCCTGTATGGTCGGT
GTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAATGTCAAAATG
TCATGTTCAATTTTACATTCAGTGCCTGGAATCTTTTCTTCACAATTGAAATGAAATGTG
CTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATACTACATAAGAAG
CAAGACCACAGACTCAAGACGGACATAATTGGATTTTTTTTGCCATGGCCTGGAAAGAAA
GGTACCT
Sequence 176
TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTGAGCACAGCACA
GTATGGCTATCATAGAGGGAAAATTAAACTGAGTCACAAAATGCATTTTATAATAACACA
GTAATGCATTTCATCCCTGGGTATAAATTGAAAATGTCCTATTACAGAGTGTTTTAAAAA
TTCACTGGAATTATTGTTCTAGCATAGGTAAGTTTGAATAAAAAGAGTAAAATGAAATCA
GTCTAGTCTTAAAATTGAACTTTTAAAACAAGAAAAATCATTACAACTACTAAGATTATT
TTTAAAGGTATCACTTAATGACTTAATTACATCTTGCTATCATTATCTCTATTTTGTATA
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AGATCAAAAACCTTCATATCCCATGCTGATTATTCAGCTGCCTCTGAATCCTGTATCTTC
ACGCTGCTCTCACGTGTGCTGCCTGATAAGTATATGTGAGGTTGTAAGTTATTCCTTACT
CGCGGTTCCGGGTGCTCTT
Sequence 177
ANGGCGAATNGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACATGACAGATAAATA
CAGTTATTTCCGGCAATCATTAGTCTCAATAAGAAAATGATTCTCTTTTCTAAGATAGTC
TAAGAAGTGGGAGGCTTCCAAACTAAGTGTCAGGACTTACCAGGTGGTAGGTGGGCCATG
ATATTATCAATCCCCTCAGCCCCTCTGCACATAGACTGAGGCATCCAGAGTCCCTGGATG
AGTCTTGCCCATGCTGCCTTGTAATATATTCCAAATATTATCATTTTTAAAATCATTTTT
CCAAAGACAGGGGTCTCTCAAGGTTACCCAGGCAGGCATTGAACTCCTGGGCTCAAATGA
TTCTTTTACCTCAGCCTCCTGAGTAGCTGGGATTGAAGGTGCCCATCACCACGCCTGGCC
ACTTTTGTGTCTTCACATGAAAGCTATTGGAAATTATTGACTAAGGAACCTCATATGATG
AAATTCTACGTTGAAAAGTTGAGGTAGAAAGTGGGCAGATAAATTTTCCTACTTAAGAAT
TATAAATCTATAGAGATAAAAGTTTATTATGAATGCTTANGTGTCTGGATTCTTTTGCTG
TATTATTCATCTTCTAGTTTCCTGNCTTAATAGTCACCTTTAGTGAACCTGTTCAAATN

Table 2

AGGACTTTAATGAATATCCTTATTGGGGTAAATCTCTATTCTCTGCTTCACTNCTTTTAT
ACCTTAATTTGGGGGGGATAAATGCAAAATTTTAAA
Sequence 178
AGGTACTCATCTGTGAGAAGTGGAATAATTCAAAGATTCACAATGGCTTTCCTCCCCCAA
GGTCATCAGTGTTAACTGCCAACTAGATCCCTAGCCCACCCTCTCTGCTCATCCGAGCAG
CAGATGCCAGGTGGGAGTTGCTTTTATGCACATGGGATGTCACTGTGACTCTGTTCCTGT
CACTCTGTAACATAAGCTCATTTCATTTTTCTCTAGGTATATAGGTATGGATTTAATTAT
TTTAGTCATTACATAATAGTCCACAGTTTAGATTGGCCACAGCTAACCATTCTGTATATC
ATGGACATTCAGGCTCTTATAGTTTTAAGCTGCTTAATTATTCAGACTATGATG
Sequence 179
AGGTACAAACCATTGCAGGAGCTGAAACATCAACAGCTACCCATACTACTGCTAATAATT
CAGGCTCTCTTGGCTCTGAGAACTTCAGCAAAAAAGCTGAAAAGGCTAACCTATAACATG
TAAATAGGTTCTCATTTATCATCTTGATAACTCCACTTGGCTGATTCAAATACATATGGC
TACACACCATAAGCTAAAGAAACACCTCCTAAGAGCCTGCTAGATGTCAGGAAAGCAATA
AAGGGCAAGCAGGGAACCCAAAGTTGGCCCCAGGGTGTCACGAGTCAGGAAAGTAATATA
AAGAATATGGCATGTAGCTGGGTGCGGTGGCTCACGCCTATAATCCCA
Sequence 180
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AAGAAGAAAAGTTTTGGCTCGAAAATGCTCTTCAAGGACACAAGGCGGTCACCAAATTAC
AGCATGCAGCTTTCAGGGGATGACTAAAAGGATGAGGATGATGACTCATAGCTGGGGACA
GAAGCGAATCCCTCTTGCTGACCTGTGCCCTCCTTTGCACCGGTGTTCTTTCTCAGCCCT
CCTGGGGTGAGGATGTGACTGTCCCCTGGGAAAGCTTGGCAAGATAAGAGTAGGAGCACA
AAGAAGGAGGTAGATAGAGAGTGGTTTGCAGTCGATACTCAGTGGTTTGGGTAGGC
Sequence 181
AGGTACGCGGGGGGGTCCCCAGTGGAACATGCAGTTCTTAGGACAGAGCAGGGGATGGGG
CCAGCTGACCTAGTGAGGAAATTTAGGCTCCTGCATCAGTCTTTCTGCATAAGTAAAGAA
AGGACAGTTGTGCTAATTGACATTGGCTATGAGGTCATAGCCACAGACAGGATTATGAAA
GATGCAAATATGCGAAACATGGCACATGACCTCCCTCCCTCAAGCTAGGCCCTTGCTTTG
TGTGGTTGGGAAATGTTGGGAGTAGCAGAGAGAGGACCTAGGCAAATAGATGGGCATTTC
CTTGAAGAAATCGGTTTTCCAGTAACATCTGGGTTGTGTTGCAGCTGGT
Sequence 182
CCGGGCAGGTACGCGGGGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTATGTATGTGTA
TGTAAAACAGAGAAAGATAGTGGTCCAGAGGCCAACACACCTGGAATCTATTTGTGAGGG
TCCCTGCTTCAGTCCACGAATTGGGCCATTCATTTATTTCTCAGTAAGTGAACATCTGGG
ATTCAGTTTGAAACGCCAATAAGTTTGGATGGGATCGCAAAGCTGTGGTTGGGATGTGGA
ACTGCTCGCCTGAGGTGGGAGTGAGCGAGGTGAGCGGGGGGCTCTTAAACTATTTCTGCAN
ACTTCANTTCAAATGCAATANCCAGAGGGTTGAGAAA
Sequence 183
AGGTACGCGGGATATGGTTTGAGATATTATTGCTTGTGTTTACATTTCCACATTTGAGGC
AAAGTTAGACTCCAAGTTGAATTCATTAAATTTTGATTCCAACATTCTGTTCTTCCTTTG
GGCACAGAATTCCTATGAAATGAAACACTGGGTTTTGTTCCAGAACAAGAACAGACTAAC
CCAAAATTTCTCCTGGGGGAAAAAAAAAGAGTAAAATTACATTTCTCATTGAAAATTGTA
TTTCTCATTGAGGAAGGGTGTGTTACTTTATTATATAAAATGCCTTATCTTCATTATAAG
AAAAAAATGCCCTTGCATTTGTCACTGTTGCCATACATTAGGCCTGTA
Sequence 184
TTCCTCCTTTGTGACAATGGGGACAATAACAGAAACTGCCACACAAGAGGGATGTTAGAG
AACTGACCAAGCGAATGTAAGTAATGACTTGGAGCAACGTATGGCTAAGAGTAAGTTAGG
GGTTGTTACGATGACTTTCCTGAGATAAACAGGGAGATCTTTTAGCTGTGGGTCAAGTGC
ANGAGGACAGTGGAGCTCAAGGCCTAATGGAAACTAACACTAATTGTACCT

Table 2

Sequence 185
AGGTACAATGGAAACTCAACGGATTACACTATTTTCTAAAGGGCCACTCATAAAAATGAA
GTTGGGTTATGGTTTTTTTTTTTCCCCCTTCCATTCTAATTTAGGAAGTGGAAAGTCACAG
CAAGGGCAGGGGCTTACCCACGGTGACACAGCTTAGCACAGCGTCATCATTTCATCCTGT
GCTTCCCATGGATTCTATCCTCTCAAAGATTAACTAAGCATTTTGCTATTTGATCTGGGT
AGAGGGAAAAGGTGCCCAAGACATGAGAAGATAAAATTCTTGACAGGAGGAACCAAGGTT
AAAACATGTAACAAGGTTCACTCACTTAAAAAATATATA
Sequence 186
AGGTACAGAGCCTGGCACGTAGCAAGTGTTGAAATATCTCTTGGAGAGAGAGAAAAAAAA
TGAATCTATTAAAAATGTCTCTATGATGCACTGCGGAAGCTAGACTTGGTAGATCGAGTTT
AAGGGAATGAAGAGGGGGTGAATGTTTGCTACTTCCGTATATTTGGAGTATTTGATAAAA
CAGANNACCANTTTCTCTTCAAACTTCATGTCGGTTTGTAGGCCACCGCTACCAGGGNTT
AGGGTACCTGCCCG
Sequence 187
AGGTACTCAAGCCACCTGCCTGTCATGGCCCCGCAAAATGCTGGGATTGCAGGCCACCAT
AACCGGTCATCGGGGCAACTATCCTTCAGGGCTTCCTCCAGTAGGGCTCCCCAGGTTGGC
CTTGAGGGCCACAATAAAAAATCTGACTTAGCTATACTCCTTCCCTGTCCCCAACCACAG
TTATTCTTGTGGATGAGGCAAATGGCAGCAGGACAGCTGGAGTATACCAGAGTTGACTCA
TTTATTTTATGCATGCTTAGTGTGGCATCCCTGGGGACATGAAATTCCAGTGAAATCCAG
TCTTTGTGCTGGAGAAGCTCATAGATCTGTGGAGGAGGCAGATGCCCAC
Sequence 188
AGGTACGCGGGAGTAACTAATAGAAAAAACTCTAAAATGCATCGGGAGGGAAACACATTT
AAAGCTCTGGAGGCATAAAAACCTGCATATAAATTCAGGCCGCACCGATTGATAAGTGTG
TTACTTTCTCAATTTACTTATTCTTTCTTAACCTTAGTTTTCTCATCAGCAAACTATCTT
AATTACATGACTTTGTAATCCATAAAGCTTGCTTCAAGCTCTTAGCATGCACACAGCACA
TCTGCAAAAGTAAGCATTTGCCACTTTCGGTTCTCAGGATAACATATTCACCCTTCCCTA
CCTACTAGCAAGCTGTGCTCACAAGATTAATCAGGTAGTGCTAGAGAGAA
Sequence 189
AGGTACACGAGCTAAAGGAATCCAATTCACTATCCCAGGGTTGCATCGCAGTGGATTTCA
TACAGGCCAAGAAAAAACAAAAACGTTTTTAAGCCTCCATCCTCAGATCAAAACAATAAA
CAAAAAATTATGATATCCTTAACAATGTCCTGGGTTAATATTTTATTCCATAAATCAAGT
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GAAAAGGTACCTGCCCG
Sequence 190
AGGTACTTGGACTGTGAGACCCCTGAAGGCACAGACAATGTGGCCCTGGCACTTGGCATG
CTGTCTAGCACATCACAGACCCTCAATGAATACTATAGGTTGAATTAAATGTAGGACCTA
AGGGAGTAAAAAGAACAGCGTCCTCCAGCATTTATACAGCTGGAGGCCAGGAATCTTCCC
TCTGGCTTTGCACTACAGTAAAGATATTTACTTATTTTTTTAACAAAGTTTTATTTTAGG
CTCAGGAGAATACATGTGCATGTTTCTTCTATAGGTAAACTCGTGTCATGGCGGTTTGTT
GTACCTGCCCG
Sequence 191
GGGAGGTTGTGGCGGCGGCGCCCTGCTCTTCCCCGCTCGTCTGGGGCTTCTGCTGGCTAG
TGGGGANAAGTGCTCTTCTAGGGGGGGCTTTTNTGGCCCTTGNCAGGGGTTTGGAGTTGGA
GTCACANGGGCCAATAACTCATCACCCCAACACTTNTGAGGTGGCTCCTTGTGCCACNGA
CTCCAANGAGTCCTTCANCTACTGAACACTNAAAGCTGAGGAGGGCAATTTAGGTTTTNA
TGCTGTACCANAAATCTTCTGACAATNANTTACTGGAACTTGGAAAAAAGGA
Sequence 192
AGGTACACCTGTAATGGCTACCCCGCTGGCTCAGAGCTCTGCCTCACCGCCCTGCCCCGG

Table 2

CACCTGCAAGCCAGTGTGCCACTTTTTTGATGTTGTATGTTTTTAATATTCCCTGAGACA
GACTCCAGAGTTCTGAGTTTTCTTACTTGGGGTGTCAAATTATATTCCAGGAACCAATTT
GGGTTTTCCTGGCTTCTGGTTAAAAAGCTGGACAGATTTTGAGTTGTTTGCTCTTAGTTC
TCTCATAAACTGCACTATTTTTAGGGCACTATTTTGTAGAACACAAGATTTTTCAGGAAG
TATATTGAAAGGCCTGTACCTGCCCG
Sequence 193
AGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAGCTCCCACCTTT
TCAGTGAACTCTTACATTTTGGGGGATCTGCTCTTGTAAAGGACATCCTTTCTGGTGAGT
ATTCTTTTGGTTTAATTTTTGGTTTGGTTATTTGTGCATGAATTTAATCTCATTAGGAAA
CAAGTTAAGTTGAATAGACCAACTAGTGAATTAATCCGTCACCAAAATATATGTTTTTGG
CATTTACCTGTTTATTTTGAAACTCTTTGTAAGAAATGTAAACCTGTAATGATAATCTCT
GCTTTGTAAGGATATCTCCCTCTCTGACACCTAAAACACTAGATGCTTTC
Sequence 194
AGGTACTTTAGCTACTCGAACAGCATGCAGACAGGGTAAGAATCACAGAACCTGGCCGAA
TACACAGCTCATTCAGCATCAACCACAAGGTGGCGCTGCTTCAATGCTGATTCAGATGCA
CAGCCCTGCTAGAGACGTTTCTCCACCATCAAGGCTACATTTGCTTGTGTCCTTTCCAGG
CCGGCCAAAAATGCTTTCTCCTTAAGGTTTCAGGTAATACACATATGGCTAACAGTCTAT
ATTGAGAAAGTAAACCACTGAGGCACAGCAACTCCCTACCCCCATCTTAGGACAGACTCT
GACTGCACCTGAGAGGACTTATCTCAGCCTCCCTTAGTTAACAAGGCAACAAAG
Sequence 195
TCGGCTCCCAGCTACTCACAGAGAACGTTTCTGTTTCTGACAGCAGAGTAAGAGAAGAGG
TGAGAAGAGAGACAGCCCATTCTCTTTTGGCCTAATTCCTAAGGAATCATGCCTCTGCCT
TCGGGCCATTCTCAAGTCTTGTTCAAGGATAAAATGATTTATTGATGGCCGTAATTAAAA
AGCAATGCCAACGGAAGCAGCGTCAGCATTTTTCATTTATACCT
Sequence 196
CCGGGCAGGTACGCGGGTAGGGATGCAGAACTGGCCACAGTCAGGGCTGGCCAACAAGGG
ATGGGATGGCAAGGGAACCAGTGGGAGACTGTTTACACCTTTGACTTCCTCTTCACAGGT
CAAGGCAGGACTGTAGCATTAGGTCTCAGAGATGCAATGAACAGGACAAATACACTTCCC
CTTCATCTGGACCTGAGGCTCTGGGCAAGTCAGTACCT
Sequence 197
CCGGGCAGGTACTATGTTCACCCAGGAAACAGCCACTTAGGACACTGGTGAGCTACTCCT
TAGGGGGTTGTGGAAATAGAGCCCAATCTGGCCTTGACTCCATCGTAGAGCACAATTTAC
TGAGCAAATTCTAATAAATGTAAATTGAAATTTACATATGATGCTGTTCTTTTCAGAACC
AAGATTCGTTCGCTTACTGCTTATCAACTCTTCCTCCTGTTTAGGTCTAGTTCTCTCCTG
TGCAAGATTGCGACAGAAGCTGAGAGGAGCCTTCTGGTGTTTGATCGATACACTCCCTTG
ACCACAATTTATTCACTGTAGTCACAATGGATAGTCTTATGAAATCTTAAATA
Sequence 198
CCGGGCAGGTACGCGGGCTGCACATCTGGTCTCTAACAATGAATCAAGTAATTCTCTCAG
CTCATGTTGCTACAGCAGCCAGCCGGGACAGCCAAGTGGTTCGGAGAGAAATTGCTAAAG
CCCTTAGCAAAAGCTTTACGATGCACTCACTCACCATTCAGATGGAATCTCCAGTTGACC
AGGACCCCGACTGCCTTTTCTGTGAAGACCCCTGTGACTAGCTCAGTCACACCGTCAGTT
TCCCAAATTTGACAGGCCACCTTCAAACATGCTGCTATGCAGTTTCTGCATCATAGAAAA
TAAGGAACCAAAGGAAGAAATTCATGTCATGGCGCAATGCACATTTTATC
Sequence 199
AGGTACGTGACGGAAGGGAGGCTCACAGGGATGGTGTCTGCGACCCACTCAGCTCTGCCA
TTTACCATCACCTGACTTTAAGCCAGTGTCTATTTTGTAGGGCTGCTGTGGGGACCAATA
TGAGCTGAGAGCTCTGCCAGGCACCCTACATGATATACCTGTAAGGGAGCGTCCTTCTGC
GGCCTGAACCTGAAGCTCTTCAGAGGGACCCATGCTGGGCTCTGAAGAAAGTGACTCACC
TTGGAGGAGCAAGGGCAGGTCACATTCCATGATGAGAAATTCTCACACCACCCTCCTTCA

Table 2

TATTTGACTCACATCATGCAGCATGGACTTCCACTCCAGTAAATGAGT
Sequence 200
CCGGGCAGGTACCAGGCTAGCCTTCCTGATGACTGCAGCAGCAAGGCTGCCCATGGGCCA
CCCCAGACAGCCTGCTTAGAATCTCTAGAAGAGCTGCTTGATGTAAGACATTAAGACATT
CTTAAACGAAGCCAGTCTTCAAGGACTAGAATAAATCCTTAATTCTTCCAATACATAGAC
ATTAACGTAAAGCAACAAGAAACAAGGAAAGTCAAATAGACATAGCACTCCCCAAAGCAT
ATAATAATCTCTAAGTTGATCCAAAGATACAAACTGCCTGACAAATAATTCAAAATAACT
CATTAAAAAATGCTCACTAAACTTCCATAGGATACAGGGAGACA
Sequence 201
AGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAGCTCCCACCTTT
TCAGTGAACTCTTACATTTTGGGGGATCTGCTCTTGTAAAGGACATCCTTTCTGGTGAGT
ATTCTTTTGGTTTAATTTTTGGTTTGGTTATTTGTGCATGAATTTAATCTCATTAGGAAA
CAAGTTAAGTTGAATAGACCAACTAGTGAATTAATCCGTCACCAAAATATATGTTTTTGG
CATTTACCTGTTTATTTTGAAACTCTTTGTAAGAAATGTAAACCTGTAATGATAATCTCT
GCTTTGTAAGGATATCTCCCTCTCTGACACCTAAAACACTAGA
Sequence 202
CCGGGCAGGTACAGACATTCAGGTTAAATGCTGGCCAGTGGTGGGGGGGCNGGGGGTTGTC
ATTATTTCCCATTACTAAGGAACAACAAATACCACATCTATTTATTTATATATTTAGTGC
ATTGAGTAAAGATAAGAGAGACCTGCAAAAGAAAAAATATCTAGTGTGTATCAATGACTG
AATTTGTGTCTACATTTGGGATAGGAAAAGTGATAAGACATTTTTAATATTCCCAGCACA
AATTTCCTTCCTGTGTGGTTGTACCT
Sequence 203
AGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAGCTCCCACCTTT
TCAGTGAACTCTTACATTTTGGGGGATCTGCTCTTGTAAAGGACATCCTTTCTGGTGAGT
ATTCTTTTGGTTTAATTTTTGGTTTGGTTATTTGTGCATGAATTTAATCTCATTAGGAAA
CAAGTTAAGTTGAATAGACCAACTAGTGAATTAATCCGTCACCAAAATATATGTTTTTGG
CATTTACCTGTTTATTTTGAAACTCTTTGTAAGAAATGTAAACCTGTAATGATAATCTCT
GCTTTGTAAGGATATCTCCCTCTCTGACACCTAAAACACTAGAT
Sequence 204
CCGGGCAGGTACTAGGATTGCAGGCATGAGTCACTACACTCGCCCAGAAATTTGTTTTTA
GAGTAACTACCATGCCATTAACAAACCTGACAAAATTAACAATTTCTTATCTTCAAGAAC
TCAATTCATATTCAAATTTTTATCATCTCAAAGCTGGTTTGTTCAAACAGGAGTCCAAAG
TCCCCATACTGCATGTCATTACTGAGACCATACTGGGACTAAGGCAGGGAGGAATGAGCC
CTAAGTGAGTCTGTAACAAGCGAGAAAGAAGCTCATTCAACTAAAAGAATTAAATTGGAG
GTCTGGCCCAAGAAAGTGGAAAAATAAACAAAGAAAACTAAAACTATTC
Sequence 205
CGGGCGTTTTTGTTTTTTTTTTTAACTTAGTTTCTTTGCTTATTCAAGGGAAGAAAATCAG
GTTTAGTTGGTGTCTATATGAATGATAGACCAATTAAATGCTTTTACTTTCCAGTTGCTG
GAAGACCTGGGTCAAATTGGTATATAAGGACATGGATTTCTTATGTAACAATAAATAGAA
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GTTATCATTCATAGCATTAACTTCATCCCAAGGATGGTGCCCCCTCTAGTTGTTATAAGA
TGCCTGCTGACACAGTTATGGCATATTCTTCCTGGTTCAGG
Sequence 206
ACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGTTCCATCTTTG
GCCATAAGGAGACAATGGTGTCAAGAGGCTAAGGCCATATGATCTGTAGGTGAAAAACCT
GGGATGAGAATCAAGGCCTCAAACTTTTTCCACTACATCACAGATTTAGGAGCAGTTAGA
GGGAAGGCTTCAATCTGGAGAACACTAACAGGCTCTAGAGATTATTGGGTCATGGTGGCT
GGGACAGAAATAAGGATTCACAGAAAGATGTTTGTTGTCAATGTTCTTTTACAGTAAATG
TTCTTTTGAGATTTTGCTTGATAAAAAGGTTGAGCAGAAGTGAAAAAAATTTTTTTCTTT

Table 2

TTTTCTTTCTTTTTCTTTTCTTTTTGCTTTT
Sequence 207
CCGGGCAGGTACCATTCTCCAGGCACATACAACATGAAATATCATACAGCTGTGAAAGAT
CTGGTGGAAAGCTGGAATATTGAGGAAGAAACATTTTTTTGAAAATTATTTCTCTCTCTAA
GTCAGTAAATGTTTGATATAATTCTNGAGTGCATGGCTGTAGTCTGAAAGTTTATTGTGC
CCCTAAAATTAATATGGTCAAAAAATTCCCTAAANCCNNCCCCTGGTGATGATATCANGGA
GGGNNGGGGCCCTTTTNGGGGGGNAAAAAA
Sequence 208
·GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTNTNTGGGTCACAGACAANACTCTNTTGATCTGNAAATACNACTTCATCATGTTNT
NNNGNGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGT
TCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTANGATCTACTGGG
GGAGTCCNGANGAACAGTCTCTTCTGTCCCCGCTGGAACCC
Sequence 209
CCGGGCAGGTACGCGGGGAGACACATTCAGAGGTGAGCCCAGAGGGGGTAAAGTGGACTG
GGGAGAACTTCGGAGGATGTTCATGTCCAGGAGCAGCCCCACGCCCTGTATGGTCGGTGT
CTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAATGTCAAAATGTC
ATGTTCAATTTTACATTCAGTGCCTGGAATCTTTTCTTCACAATTGAAATGAAATGTGCT
GAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATACTACATAAGAAGCA
AGACCACAGACTCAAGACGGACATAATTGGATTTTTTTTTGCCATGGCCTGGAAAGAAA
Sequence 210
AGGTACGCTGGGAAGATGCTGCCAAGCAGCAGGATCACCAGCTTAGCTGTGTGTGGTGAA
GTTATGCAAATACCTCCCCCTGTCAACTGTGGCAGCAAAGTCCCCGGAAGGACTTGGACT
GTCCTGGTTTGATATATGCTCATTCCCCCATCAAGCACTGTGGCCGGGAATCAGGAACTG
TGACTGGTCTGACCTGGGTCATGTGCCCACCTCTGGCTGGTAGGAATGGTTTTGATTTTG
TGATCAATCCTGAAGAGGAAGACAGGTGCATGGCAAAGGAAAATGGGATAGTACCTGCCC
G
Sequence 211
CGCCGGGTTGGCGGCCGCCCGGGCAGGTACGCGGGGAGGTGGTGGCGAAGCCGCCTTCCC
CTTTCCCGAAAGGTTTCGGAAGCTTGGTGGTAGCTCTTGAAGATAACGCTTGCGTTAGGG
CATTACTTGCCNNAACCNGGNAAAGGGAATGGGAACTTCCCATTGAAANCCAANTTTCTT
GGANTTGGAACACNAATTTTAAANNAANCCCCATTTTTTTTNAA
Sequence 212
CCGGGCAGGTACATTTTTTTTCAATTTAAAAAATAAAATTTTAAGAATAAAAAATTTTTAA
ATTTTAAACATTTTTTTTAAATAAAAAAGAAAAGCAGATAATTTGTCTACCAAGCCTAGAT
GGATGTATACTCATAAACAGGTAATACTGTAGTGTGCCATAGGGTGATAAGCGCCATGGA
GGGGATTAATTTCATGCAGAGCGGGCCTGCAGGAAGTAAAGGAGCGAGCCGTGAAACTGT
CTGGATTAACGAGTTCTCAGGTAGAGGGAATAGCAAGTGCAAAGTCTCTTGAGCGAATTT
GCAGGGGGAAGG
Sequence 213
AGGTACGCGGGGACACATTCAGAGGTGAGCCCAGAGCGGGTAAAGTGGACTGGGGAGAAC
TTCGGAGGATGTTCATGTCCAGGAGCAGCCCCACGCCCTGTATGGTCGGTGTCTAGAGCC
TCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAATGTCAAAATGTCATGTTCAA
TTTTACATTCAGTGCCTGGAATCTTTTCTTCACAATTGAAATGAAATGTGCTGAAGGAGG
TGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATACTACATAAGAAGCAAGACCACA
GACTCAAGACGGACATAATTGGAT
Sequence 214
CCGCGGTGGCGGCCGCCCGGGCAAGGTACAGTGAAGCTTTGACCTGAGGAGCTCTTCTGT

Table 2

AGGTGAAGAGTGGTTAACTATGGTTCCTGTGTGCCTGGGGCCCCCCACTCCTAGGACTCA
TCCACCCCCTACCCAGAACTTACTAGTACCT
Sequence 215

TCACAGCAACTAAGACCAACCCANCTCTCAAAAGAAGGAATGTCAAAATGTCATGTTCAA
TTTTACATTCAGTGCCTGGAATCTTTTCTTCACAATTGAAATGAAATGTGCTGAAGGAGG
TGAATCCATGCATTAATCTTCANCTCACAAAGGAAATACTACATAAGAAGCAAGACCACA
GACTCAAGACGGACATAATTGGATTTTTTTTGCCATGGCCTGGAAAGAA
Sequence 216

·AGGTACGCGGGCGTTTTTGTTTTTTTTTTTAACTTAGTTTCTTTGCTTATTCAAGGGAAGA
AAATCAGGTTTAGTTGGTGTCTATATGAATGATAGACCAATTAAATGCTTTTTACTTTCCA
GTTGCTGGAAGACCTGGGTCAAATTGGTATATAAGGACATGGATTTCTTATGTAACAATA
AATAGAAAATTAGGACAGACCTCAGGCTGAACAGCAGTATCATTCAGGACTTAAGTATTT
TTCTCCTGTTATCATTCATAGCATTAACTTCATCCCAAGGATGGTGCCCCCTCTAGTTGT
TATAAGATGCCTGCTGACACAGTTATGGCATATTCTTCCTGGTTCAGGTTCAGTGGAAGA
ACAC
Sequence 217

CCGGGCAGGTACTCCCTATGTCTCTTGTCCTTCTTGGACAGGGGAGTCATTTTTATCATA
AGATGACAGAGGTGCAAGAAGCTAAGAAGAAAATGAAGGACATTTTTAGGTTAGGCTCTG
TATGGCCACACTGTTACCTCCACCCTCATGTGCTTGACCAGCGCAGTTCCTGTGGCTGAG
CCCAAAGCCAAAGGGTGGCGATTACACTGGCTTCCAGGGAAAGACTTCAAAGCCATATAA
CATAAGGGTGCAGTATTGGGCCAATAATTCAGCCTGCCATACTTCTCAACCCATATAGTT
TGGTATGATCTGAATCTCCCACGATCTCCATATACTTCACATTAATG
Sequence 218

TCGGCTCCCAGCTACTCACAGAGAACGTTTCTGTTTCTGACAGCAGAGTAAGAGAAGAGG
TGAGAAGAGAGACAGCCCATTCTCTTTTGGCCTAATTCCTAAGGAATCATGCCTCTGCCT
TCGGGCCATTCTCAAGTCTTGTTCAAGGATAAAATGATTTATTGATGGCCGTAATTAAAA
AGCAATGCCAACGGAAGCAGCGTCAGCATTTTTTCATTTATACCT
Sequence 219

CCGCGGTGGCGGCCGCCCGGGCAGGTACAATTATTTTGACTTTTATGTCTGAAAATGGTC
ATCACAAAATGTTAGGGAAAAAAAATAAGAGATGTGGGTTAACATCTCTGGTCTCTGGTAT
CTTCATAGCCACAGACTTGGTTTATACCTCATTACATCTTTTTTTTTTTTTTTTTTTTTTT
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GCTCACTGCAACCTCCACCTCCTGGGTTTAAGCGATTCTCCTGCCTCAGCCTTCCGAGTA
GCTCGGATTACAGGCATTGCGCCACCACGCCCGGCTAATTTTTTGTATTTTTATTANAGA
CAGGGTTTCTC
Sequence 220

AGGTACCCCTTCATGAGAGGCGAGCACAACTCGACCTCCTATGACTCTGCAGTTATTTAC
CGTGGTTTCTGGGCAGTCCTGATGCTCCTGGGGGGTAGTTGCTGTAGTCATCGCAAGCTTT
TTGATCATCTGTGCAGCCCCCTTCGCCAGCCATTTTCTCTACAAAGCTGGGGGAGGCTCA
TATATTGCTGCAGGCATCCTATTTTTCATTGGTGGTGATGCTGTATGTCATCTGGGTCCAG
GCAGTGGCTGACATGGAAAGCTACCGAAACATGAAAATGAAGGACTGCCTGGATTTCACC
CCTTCTGTTCTGATGGCTGGTCATTTTTTCCTGGCCCCAGCTGGGAT
Sequence 221

CCGGGCAGGTACTGTCCATCCCTGAGCCGGCCCACAAGTGTCTTCTGTTTTCTTTACCCT
CTCCTTAGCACCAGCTGCCTAACAAAGTCAGCGGGCAGCCAGGGCAAAGAACAGTTTGGG
CGACTTCAATATGACTCTCTCTTCTGAGCCCCCGATCCAAAAGNAAGGCTCACCCTTAGT
GAATGTGCCTTTGCCAGAGGGTCTTCCCTAGGGTGAAGGGGAAAAATCATGTTTCACAAT
TTNAG
Sequence 222 ·

Table 2

TTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGGGGAGGGCGTAAGAATGA
CTACCAGCAATCTGGCTGAAAGAGAGAATGGGATAAGGAAGACTGAAGGAGAAATGATTT
TAGAGTGGGGAGTCTCAGGAGCTCTATCTCAGATATACCAAGTTTGAGGTGTATTAAGAC
AACCAGCCAGGTGCAGTAGCTCATGCCTGTAATCCCAGCAAGTTGGGAGGCCAAGGCGGG
CAGAACCCGAGGTCGGTAGTTCGAGACCAGCCTGGCCAATATGGTGAAATCCCGTCTCTA
AATTTTGTATCTAAAGATACAAAAATTAGCCAGGTGTAGTGGCACCGTGCCTGTAGTCCT
AGCTACTCAGGAGACTGAGGCAGAAGAATCACTTGAATCCCGGGGGCGGAGCTT
Sequence 223
AGGTACCCCAGTCCCTCCCTCTTAGCCTGGAGCAGCTCCTCAATGTGCTAAGCCTTCCAA
GGATAAGCTGAGCCCTGGACAGAGGAGGCTCCCCTTCAGGCCAGCACTGCCCATTACTTG
AAGACAAGGTGAGCCTCAGCCTGATGTTGAAGGCTAGCATTAGGAACCCCGCTCAGGATC
TCCCATTCTCCAAGATCTGCTTTATCAATAAGAAAGGGGATGCTGCCGGGCCTGGTGGCT
CATGCCTGTATTCCCAGCACTTTGGGAGGCCGAGGCGGGTGGATTACCTGAGGTGGGGAG
TTCGAGACCAGCCTGACCAACATGGAGAAACCCCGTCTCTACTGAAAAT
Sequence 224
CCGGGCAGGTACTGTCCATCCCTGAGCCGGCCCACAAGTGTCTTCTGTTTTCTTTACCCT
CTCCTTAGCACCAGCTGCCTAACAAAGTCAGCGGGCAGCCAGGGCAAAGAACAGTTTGGG
CGACTTCAATATGACTCTCTCTTCTGAGCCCCCGATCCAAAAGAAGGCTCACCCTTAGTG
AATGTGCCTTTGCCAGAGGGTCTTCCCTAGGGTGAAGGGGAAAATCATGTTTCACAATTT
CAGGGAAGTCTGAATGGTAGGAGCCAGGTTTTCACATTCTGGTCTTTAATGCATAGTGGC
CATTCATTCCATTAGGCTTCTTATGTCATGACATAA
Sequence 225
ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGG
CGGGTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTCATGTCCAGGAGCAGCCCCACGC
CCTGTATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAA
GGAATGTCAAAATGTCATGTTCAATTTTACATTCAGTGCCTGGAATCTTTTCTTCACAAT
TGAAATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAA
TACTACATAAGAAGCAAGGACCACAGACTCAAGACGGACATAATTGGATTTTTTTTGCCA
TGGCCTGGAAAGAAAGGTACCT
Sequence 226
CCGGGCAGGTACGCGGGGAGACTGAGTGGGGTCACAGCACAGGGCACTGTCTTGCCTGGC
TTTATCTGAGCCAATCACACCTCTCCTGGCCACTATCTGTGGTCTAGCCCCCTTTGTGCA
GAAAGAGAAAGAAGAGCCTTGAGGACCAGCCTAGTCAGGCTGAAGAAATGTCAACAATTG
GGAGTTTTGAAGGATTCCAGGCTGTGTCTCTGAAGCAAGAGGGAGATGACCAACCCTCTG
AGACTGACCACCTATCGATGGAGGAAGAGGACCCGATGCCAAGACAGATTTCAAGGCAGT
CAAGTGTGACCGAATCAACTCTTTACCCCAATCCTTATCATCAGCC
Sequence 227
AGGTACCTTTCTTTCCAGGCCATGGCAAAAAAAATCCAATTATGTCCGTCTTGAGTCTGT
GGTCTTGCTTCTTATGTAGTATTTCCTTTGTGAGCTGAAGATTAATGCATGGATTCACCT
CCTTCAGCACATTTCATTTCAATTGTGAAGAAAGATTCCAGGCACTGAATGTAAAATTG
AACATGACATTTTGACATTCCTTCTTCTGAGAGCTGGGTTGGTCTTAGTTGCTGTGAGGC
TCTAGACACCGACCATACAGGGCGTGGGGCTGCTCCTGGACATGAACATCCTCCGAAGTT
CTCCCCAGTCCACTTTACCCGCTCTGGGCTCACCTCTGAATGTGTCCCGCGTA
Sequence 228
AGGTACCCCAAAACCAGGGGCTGCAGCTCCAGCAATTGGGAAGGCCAAGTTTTCTTGCAC
GCTCCCCAGAAAAGGGGCCAAGTCCATGGGGCTGAGCAGTGATAGACTGCAGACCTCACC
ACCACTGAACCTTGTAGGATAAGGCCCACTAGCCTGGGATGCTAGTGAGGCCACCCTAGT
CCTCCTGAGTTCTCCAGCTGGGAGCAGCTCTACACTTCTCCGGCATGCAGCTCCCAAAGA
GAGAGGCAGTCCACCTTTTTGCTGTCTCGCAACCCTCCCTCCTTGCTGCTCTCAGGCTTG

Table 2

GGAGGGTGCACAGCAATTAGGGACTATCACAGAACCCCAACACAGTGCATCTGGTGAA
Sequence 229
CCGGGCAGGTACTTCCTGCAATGGTGGAAATGTTCTCTGTCTACACTGTCCTATATCGTA
GCCACTCGCCACATGTGGCTATGGAGCTCTTGAAGTGCGGACAGATGGACTGAGAAACTG
AAATTTAAATCTTACATAATTTTTAATCATGAGATAGTGGCTACTTGACAAGATGCTGGAG
AACAGGCTTTGGAACCAACATGATTCACTGACATGAAGCTCCCACATCTTGGCCTATGGA
CACAATGAACAATGCATCTACTAGCTGTTTAGGGCAGCCTGTGAACAGAGCACACAGCTA
TTGCAAACAAACAGACCCGGGTTCAGAGTCAGGA
Sequence 230
AGGTACTTGATTCAAAGCCTGGGTCTCCCAGAAGTGAGCTGTGTGGCTTGGGCCACTTTA
TCTCCTGAGGTCTCAGAGTTTTCATGTATAAAATTGTAGAACTTGTCTTGATGGTTTTGA
ACATTCTTTCTAATTCTGCACAACAGTCCATTTGTGGGTTAGATGAGCCTTTACCAAACT
GTATTTCATGGAACAATGGTCCCAAGAGCTGTTCTGTGAAAAGTAAGTTTCATCATCAAA
TAATTTTGAGAAATTCTGAATCCTATATGCGTGTTGATTCCTATTTCTTTCCTTCCATTC
TTTCTTGAGTCCACTCTGATTGGTCCTTAAAGTTGGAGTTTATTTTTATCATTATTGTTA
TTGTCATGGT
Sequence 231
CCGGGCAGGTACTCAAACTATAGCCCCAGGGGAAGACAAACGGTCACAGATGAGGCAGGA
AGAGTGCCTGGGAGAATTTCCCCATTCACCATGGAGCCAAGTGAAAGACCTCACCATCAG
CTGCTGCACAGAAATGACACAGCCACCCACACAAGTGGGAGATCGAGGAGGAGGCACGGC
CAGTTTGTTTGGAATGGACAGGTGTGTTAGGTAGGAGTCCAGCCTTCACACCCTGTGTTT
CCTTTCTTTTGCTTTGGACCTTCTTTCCTAACTAAAAAGAGAGCCAGTGAAGGTTCTTGA
GAAGGGGATGGCAAAGAGCCATGAGATTTTATCTTTGTAAACCTCGAAGTGTGGGT
Sequence 232
CCGGGCAGGTACGGAAGAACATGGGAGTCTGTATGCAGCACGACGTCTTGTTCAGTTACC
TCACTACTAAGGAGCACCTTCTCCTATATGGTTCCATCAAAGTTCCTCACTGGACTAAAA
AGCAGCTNCACCGAGGAAGTAAAANGGACTTTAAAAGATACTGGACTATATAGCCATCGN
CATAAGAGAGTTGGAACACTGTCAGGAGGCATGAAGANGAAGTTATCTATATCCATAGCT
CTCATTGGTTGGATCAAGGGTAGTAATTTTTGGATGAACCATCTACTGGAGTTGACCCATG
TTCTCGCCGAAGT
Sequence 233
TATAGGGCGAATTGNAGCTCCCCGCGGTGGCGGCCGAGGTACTCTGCTATAACATGAGAT
CTGTCTCTCCAGGCTCTGGCTTCCTCAAGGACAGCTGCCACCAGGTCCTATCCATCTTGT
AAGTCCAGTTCTTAACGTCCCCGCGTACCTGCCCG
Sequence 234
CCGCGGTGGCGGCCGAGGTACTGGAGGTCCGAGCTACCACAGAAGACAACAAAAATCAAT
ATAAGGTATAGGAAGATTGGAAAGAAAGAAAACAAACCACCTAGGCTGAAATCCCAAACA
AACTGGACACGCAAATTATTAAAGGTGATTTCATAAATGTTATGTCATTTAAGACAGCCA
TATAAAAGGAATCATTATTCCCATTTTTCTCTATGAGGAAATAGAGGCTCAGAAAGGTTTT
GAGCAACTTGCCTGAAGTTGAAGTCCCCCCAGCATATTAAGTGCTGAAGCCAGAATTCAA
ACCAATTGATAATTTCAGTGCTCTTCACCGTAGACCACATGGCCTCCCCTNAGTTAATAT
TCACC
Sequence 235
AGGTACTTCCATCAAGTCGAGGGAGTAACGCAAACTAGAATAGTAGCCATCTATTAAGGA
TAGTTCTGAGGTTTGGAATTTGTAACTGATTTTTAGGAGCTACGACATGAATATCATATC
AGGTAGAAATACTCAGAGTGATCACCTTTTATGAAAGTTAGTTCTATCTTTCATGTCTAG
GAAAATATAACAGTGAATGTTTGCTTTTTTGTATGTTTTGTCTCCAAGCAGAGGAAACTGA
CAGTTTTATGTTTTAGGTGCCGAAAGTTGTTTTTTGGCTAGGCAGTTCCAGAGTTAATCA
CTTGGGATGCTAACTTGAATTTTTGTCTTTAAAATGTTTTAGATTTTTAAAACC

Table 2

Sequence 236
CCGCGGTGGCGGCCGAGGTACCTACTATGGGACCTAGACAGGCTGTTTCACTTCTCTTAT
ATCTGTAATATAAGCAGAGTAACTGGAGCCCTTTTGTTCACCTGCAGTTGGATCTCAGTG
ATTTGGGGAAGGATCTTGGGCCTCCACTTGCAGTGACTATAGTCACTATAGCTTCATCAG
CAGGGGCGGGAAATGATGCTGCCTCCAGCTTGAGAGTGATGAGGCCAGCACCTCCTGGGA
GCCCTCGATAATTTTATCTTCTTTTGCAATCCTTCCCCAAATCTCTTGGTTCCACTCAAA
ACTAGGAACAGTCCTGCCCACTGTGGCAAGCTGTGGTGCCCACCTCTCTTACAGCTGTCC
CCACAGGACTACTATAATTATTCACTTTTATCCCATTGCCTGTAATGC
Sequence 237
CCGGGCAGGTACTTTTAGAAGAGACAGGGTTTCACCATGGTGGCCAGGCTGGTCTCGATG
TCTTGACCTCGTGATCTGCCTGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGC
CACCACACCCGGCCTGAATTGCACTTTTGATGGCTGAGCCAAATGCTCATTCTATTTAAT
ATTGCACAGCCTGAACCAAAACCCGTAACATTATAAAGGAAGAGATGAGAGCCATTTCAA
ACTGTGAGAGAAGAGAAGACATCAAGCAAAATCTGGGGGTTTTAGCCAACAGACTTCAGT
CCTGGGACCTCGCAGCAAAAAAACACCTTCANTTGCCCCAGGGCTTTACAGGG
Sequence 238
CCGGGCAGGTACGCGGGTGTCCTTGAGTTTTGAGCTCATGGTTAAAGCTGAGAATTAAGC
ACTGCCCTTACAACTGCTAGGTAAGCTCAGTAAGGTGTTGCAAGGTGGTGCAAAGGGCCC
TGGGAGGAGGGTCCCAGTTGCCCACCCTTTGTCCACTGCTTTGTGATGAATTCTAGATCA
CCTTGTGGTTACCTGCCTATTAGGAGGTGCTGTTGAAAAGCGACTTTAAAAAAATAGGAC
TTTGGGAGAGTGGGGCAGATCAAATGAAGGGACCAGCAGTGTTCATAATGGTGCTGAAAT
TTAATTTCAGTGCTGACCTTTTATTTGACATTTTAGATAATGCTATGGATGTGCTCAGCT
ATTTGTTCTTAACAT
Sequence 239
CCGGGCAGGTACGCGGGGAGAGCGGGTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTC
ATGTCCAGGAGCAGCCCCACGCCCTGTATGGTCGGTGTCTAGAGCCTCACAGCAACTAAG
ACCAACTCAGCTCTCAGAAGAAGGAATGTCAAAATGTCATGTTCAATTTTACATTCAGTG
CCTGGAATCTTTTCTTCACAATTGAAATGAAATGTGCTGAAGGAGGTGAATCCATGCATT
AATCTTCAGCTCACAAAGGAAATACTACATAAGAAGCAAGACCACAGACTCAAGACGGAC
ATAATTGGATTTTTTTTTGCCATGGCCTGGAAAGAAAGGT
Sequence 240
GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAGCAATGAGAAGGAGAGA
ATTCTACTTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAG
TTGTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCACCTGCCTGGGCAAGTT
CACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGG
GAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACC
Sequence 241
AGGTACTTAACCATGGGTTGCCATGCTTTTATAGCACATGACTTCACTACTCTGAGCACA
GCTAAGAGAATTAAAAATCAGCAACTGATGCAAAGGTAAGGTAGACATTTTCAAAATAGC
CAGAAGCTGATGATGTGACCTGGCAGCTCTGCCCAAAGGGGCATACTACATGAAGTTGTC
ACTAGGCAAAACCAATCAGGTCCTCTCTTAGGAAGGCTGAATACAGAGTCAACAGACACC
GTAAGTTTTGCATAAGACAGGAAAAACACAAAATAAAAGCAGTAAGCTAAGAGGCTGAGA
AGAGATGAGATAGGCAGGTCCTCCGCAGTGGAAGAGG
Sequence 242
AGGTACCTCTCATAAACTTTGTTCATTCAGCCACTTGAAATAAGCCACGTGGGTTATGTG
CCACGCAAAATTTCAGTAATGGGTTTTGGGGGTGTTTAGATAGCAACAACTTCATAGACT
GAACCTTTTGGTTTTTTTTTTCTTTCTCTCCAACTCAGAGGTTAAAAATTAACCTGAAAA
TCAATGCTGCAATATGAATGCGCTGTATGTTTCTTGCATGGACTTGCAGACACTCTGTAA

Table 2

CGGTGTTTCCAGTCTCCAGCAGTTCATATTGGAAGGTGAGCTTTCACATGGACAAGCCCT
TTGCGTTGCCAAGTAGTAGTGATATTACAAGTTTGAAAGACAT
Sequence 243

AGGTACNCCAAAACCANNGGCTGCAGCTCCAGCAATTGGGAAGGCCAAGTTTTCTTGCAC
GCTCCCCAGAAAAGGGGCCAAGTCCATGGGGCTGAGCAGTGATAGACTGCANACCTCACC
ACCACTGAACCTTGTANGATAAGGCCCACTAGCCTGGGATGCTAGTGAGGCCACCCTAGT
CCTCCTGAGTTCTCCAGCTGGGAGCAGCTCTACACTTCTCCGGCATGCAGCTCCCAAAGA
GAGAGGCAGTCCACCTTTTTGCTGTCTCGCAACCCTNCCTCCTGCTGCTCTCANGCTTGG
·GAGGGTGCACAGCAATTAGGGACTATCACANAACCCCAGCACAGTGCATCTGG
Sequence 244

CCGCGGTGGCGGCCGAGGTACACAAGTAGAACTGTTAAAACCGTGTGGCTTCCAACTGCT
CTAATAACTTTAAGATTCACAGTCTTCAACTTTCTTACAGTGGAAGCCATGGGGGCATTG
TCCTGTTGCCTTCTCTCTCATTCCTCATTAATGAGAAAGATGTTAAGCTCACTTGACGTA
AGTCCCAGTGAAGTCTTCTCCAGAACTCAGAAGGGCCATAAATAGAGAGACAAAGGGCAG
GAGGTGGGAGTTATTCACCAGCGTGGAGGAAGCAGGATAAGCCCAGAGGAATGGCCTCTG
GGAATTATACAAAGAATTTGGAGGCGACTGGGGG
Sequence 245

CGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGNCAGGTACNCGGGGACATTCANAGGT
GAGCCCANNTNNGGGTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTCATGTCCAGGAGC
AGCCCCACGCCCTGTATGGTCGGTGTCTANAGCCTCACAGCAACTAAGACCAACCCAGCT
CTCANAAGAAGGAATGTCAAAATGTCATGTTCAATTTTACATTCAGTGCCTGGAATCTTT
TCTTCACAATTGAAATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTC
ACAAAGGAAATACTACATAAGAAGCAAGACCACAGACTCAAGACGGACATAATTGGATTT
TTTTTGCCATGGCCTGGAAAAGGAAAGGTACCTCGGCNCGCTTCTAGGAACTAGGTGGGA
TCCCCCC
Sequence 246

AGGTACAATCTGAACAACCCTTTTTATTGCTTACTTTGCGTTTTAAGGGTCTCAGTTAAT
GAAGTATCTCCTAGCACAGGGGATGAGAAGAGGGGAAAGAAGGCAGGGCATCACCAATCC
ACTATTCCCTTTTACTAATCCTCACAGGAAAAGACCATCCTACAACATCCTCCAAGTCCA
GCTGGCTATCTGTTCTGCCTCATTTCTTCTATGTTTTATTCCACCAACACGAACAGGCTT
AGTTTTCCCCAGCCCTGAACAGAAGCTCTGTCCTCCTTAGGAGACACCTCATTTTGCAGT
TTGTTTCCAAGCTTCAACTTCAT
Sequence 247

AGGTACGCGGGTGAGAAAAGGCTCTAACATGAGTTGATCTTGAGCCCAATGTTGAACAGC.
TCCAGACCTTACAATTTAAAAAAGTAGTTCAGACCGGGTGTCTTGAGTTCCGCAGTATAC
CTGGTCCAGTGGACACTTGCAGAATGCCGTTGGCACATGCCACTGGCCATTGAGGGGTCC
CCAGATGCATAAACAGCCTGATCCTGTAGCTCCCCTTCCCCACACGGATGCATGGAGGCA
GGTGGCGAACTCTAAAGCCTCACTGAAAGGCAGATTGCTGGACTGTTAGAAGGGGCTCAC
TCACCTGCCTCCAAGCGCTTGTCTTCTGTTTACAT
Sequence 248

AGGTACGTTTCCTCACAGATATATCAACTATTGTGCATATCTCTAGTTCTGATTCTAGTT
AATCAATATCAGCAGAAAGCTTATCATTTCATGTCTAAGTGTCTGTGTGGGCATGAAATT
GTTAGGAATTGTTTTAGTGAATAACTGATTCAAAAATTCATTGCTTAAAAACAAGATTTT
TTTTTTACAGAAGCATTCAGAACTCCAAAGAGATTATAACTCACAGAGAATTATTTTAAA
AAGCAGATAATATCTTATTCCTTTTTTTCCACACATCTCCACATACCAACTTAAATCTTCA
CCAGTAAAGAGGAATCCAGGGGAAATCATAAGAGAAGCATCTTTA
Sequence 249

ATCGACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGGGGGCCATTGAGACTG
CCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCT

Table 2

GGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAG
ACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTTGTGTGCAAGCTGCA
GCGGATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGAT
GTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCA
GTCTNTTCTGNCCCGC
Sequence 250
CCGGGCAGGTACTAGAAAAACTCAGAAGCTGGAACGTGGGAATACATCTTCATTTCACAG
ATGAGGAGGACCTGTCTCAGGAAAAGAGGTGACTCACCCAAGGTTATAGCTGGTTAGTGG
CAGAACCAGGACCAGAAGCAAGGCCTGCAGCCTCTTGTGTAGGCTTTCCTAGTGCGTGCT
GCTGACCCTCAAAGCTGTCCTTGGCCAACTCACCACCTGTGTGACACTTACCCCCAGGCA
GCTGTAGGGAGGAACACAGATGTTCGGGGAAGGCACTTGTGTTACTGTATAAGCACAAAG
GAAGCTGGGATCTGAGTATGGTGGCCCTTGTCGGTCTC
Sequence 251
ACTACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGGACACATTC
AGAGGTGAGCCCAGAGCGGGTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTCATGTCC
AGGAGTAGCCCCACGCCCTGTATGGTCGGTGTCTAGAGCCTCACAGCAATTAAGACCAAC
CCAGCTCTCAGAAGAAGGAATGTCAAAATGTCATGTTCAATTTTACATTCAGTGCCTGGA
ATCTTTTCTTCACAATTGAAATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTT
CAGCTCACAAAGGAAATACTACATAAGAAGCAAGACCACAGACTCAAGACGGACATAATT
GGATTTTTTTGCCATGGCCTGGAAAGAAAGGTACCTTGCCCG
Sequence 252
AGGTACTACAGTCACTAAAGCTCAGTTTCTTAAATCCATATTTTAATGGGACTCTGCTGG
ACATTGAATACCACCAGTCCACTTGTCAGGATGTCTGTTCTCATGTGCAGTGTGATGAAG
CCTCTTTCATGATGTATTGACTTTACTGGACTGAAATATTTTGAAGAGTGTCAGCCCTTT
GACAAGATCCATCTGACCATTTCTGTTCACAAATGATTTCTCCACACGATTCCACTCAAA
GCACACTCATTTATATAACACAAAGTAACTTTCCCAAATAATCATCACTTTCAAAAAAAG
ATCGTGAAAATACTGATAAAAAGAATTCTCCCGGCCA
Sequence 253
CACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTGTCA
GCCTCACTGGCATAGAAAGAAGGTGGAGGAAATGGGTGCTGCTTTCATTTCTGAGGTATA
AGTGGTGATGTAGATAACTGCTATAGGAAATGCCCACGCATAGAACAAATGGTAAAGAAG
TTCCAGGTAGTCAGCTGGTTTCAACAATGAATAAAGCAGGACACCCTGCTTAGAGGTTGA
AATCAAAATGAAGAGCTTTGGAAAGAGATACCTGCTCTACAGTGTGGTGAGTGCTGGAAT
GGAGGAGAAAGCAAGAGGAATAGCAATAGAGTCAAGTCTTGAAGGATGACGGCACATAAG
GAGAAAGTGTTCCCCACACTAAGGAAG
Sequence 254
ACTNCTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGATCTGACTTATGT
TTAGTAAGATCCTGGGCCACTGGGTGCCCTGTAGAGAAGAGACTGAACTGGTCTAAGAGC
AGAAACTGTGAGAGCAGTTAGGGCACTACTAAAATATGCCAGGTGAGGCATGGTGATTGC
CTAGACTGGTGTGCAAGCTGTGGATGCAGAAAAAAGTAGCTGGATTGTCGATGGATTCTG
AAGGTGGAGTCAAGAATTTGGTCATGGACACGGGTGTGAAAGAAGGAACCCAAAGGATTC
TGGCCTGAGCCACTAGAAGACTTGGAGATGCCATCATTTGAGATACAACCAAGGCTTGTG
GGAAGAAGAANATTTTGGGGTGGGAGTTGAGGTAATTGGGGAAAAAGGGTATTAAGGGAG
CCTCAATTCGGGA
Sequence 255
CCGCGGTGGCGGCCGCCCGGGCAGGTACTCTCAGTTCACTTCCATGTGGGAGGGTCATTT
GCCATCCATCCAGATTACCTTTTTTGATTAGGCTTTTCAGTGTCTATAAATATTTCGGTCT
TTTCTGATCATTTAATTTCTAATACATGCATATGCTCCTATGTATAATAAATAGACAACT
TCAAATTTGCAGTTTCTAGATGGTTGGAAAAGGGAAACATTGTGGTGTGTAATTTATCAG

Table 2

CCATCAAGATCCTAGATATTTGAGATTTTAACTAAGCAAGGTATTAAGATAGACCATGTT
GTTTTGGCTTCACAGAATTCATTCATATTGTGCATTACACAATTCAGTGTGCATATTGCA
CAATTGATTTTATCTGTAAGTTGTCTTTTATCAGT
Sequence 256
GCGGCCGAGGTACCCTGGGCAGTAGAATTTCATTGAAAACGCCTNTGGACTNCAACTAAA
GATGCAGAGAAGCCCAAGTTCCTCCCTCTCTCTTGCTTCTGGAGCTCCTTGTAGTTACAT
CTATTATAGTATCATTATATCAAGTTATAACAATCTGTTTCCCTTTATCTCCTCTAGTGG
CCTGGGAACCTCTAAGAGGCAAACACAGTCCCCATACAGGAATGGGATGTCTGCAGAGCT
GTATAACTCCTCTCTTCTGTCTGAAGAATAAAAACAACATTATACAAAGGAAAAAGAA
Sequence 257
CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGTGTCCTTGAGTTTTGAGCTCATGGTTA
AAGCTGAGAATTAAGCACTGCCCTTACAACTGCTAGGTAAGCTCAGTAAGGTGTTGCAAG
GTGGTGCAAAGGGCCCTGGGAGGAGGGTCCCAGTTGCCCACCCTTTGTCCACTGCTTTGT
GATGAATTCTAGATCACCTTGTGGTTACCTGCCTATTAGGAGGTGCTTGTTGAAAAGCGA
CTTTAAAAAAATAGGACTTTTGGGAGAGTGGGGCAGATCAAATGAAGGGACCAGCAGTGT
TCATAATGGTGCTGAAATTTAATTTCAGTGCTTGACCTTTTATTTGACATTTTAGATAAT
GCTATTGGATGTGCTCAGCTATTTGTTCTTAACCATATTTTCCATCTTTTGGGGGGC
Sequence 258
ACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACACACGTTAACCACAA
AACAGGCCTCTCTGAAAAAGCCATTGCCATGGACTGCCAGACAGACAATGACAAGACACA
AATACCTTCTGGTGTGTGAGCCACGGGACATGTGAGCTTCCCCGCTGATGCTCCTCTTAT
ATCAAAGATCACTTTCACAAGATGAGCGACTCAATATCTTTTATCAAACCAATGATCACC
TGCAAGCTATGGGTATATTTTTGCAGCTGTGTANAAGCTATTGTGGCATGAGAATGTGGG
ACTTATAAATTGCTGATCCAATAAATAGACATTATGGGCAACAGTGTCTTATCAGCTAGT
GTGGTACTAAGGTTTCAGGAACAGNTGTTCTGACCTTACTATCCAACGAGGGAGTAACTG

Sequence 259
CCGCGGTGGCGGCCGAGGTACTTCCGTGAGATATAAGGCTGATGATAAGGATTGGGGTAA
AGAGTTGATTCGGTCACACTTGACTGCCTTGAAATCTGTCTTGGCATCGGGTCCTCTTCC
TCCATCGATAGGTGGTCAGTCTCAGAGGGTTGGTCATCTCCCTCTTGCTTCAGAGACACA
AGCCTGGAATCCTTCAAAACTCCCAATTGTTGACATTTCTTCAGCCTGACTAGGCTGGTC
CTCAAGGCTCTTCTTTCTCTTTCTGCACAAAGGGGGCTAGACCACAGATAGTGGCCAGGA
GAGGTGTGATTGGCTCAGATAAAGCCAGGCAAGACAGTGCCCTGTGCTGTGACCCCACTC
AGTCTCCCCGCGTACCTGCCCG
Sequence 260
AGGTACGCGGGTAGGCACCTGCCACCACGCCCGGCTGATTTTTGTATTTTGTAATTTTGT
ATTTTTAGTAGAGACTAGGTTTCACCATGTTGGCCAGGCTGATCTTGAACTCCTGACATA
AGGTGATCCGCCCACCTNCCAAAGTGCTAGGATTACAGGCGCGCCCAGCCCTGTTGTATT
AGTTTTCTATTGCTTCCATGACAACAAATCACCACAGGCTTGGCAGTTTAAATACCACTG
ATTATCTCACAATTCTCTAAGTCAGATGCCTGAGTTCAGCCAGGCCCAGCTGGGTCCTCT
GCTCANTCTCATGGGGCCAGTGTCTTGAGGTGCTTGGGTTCACCCTTGGAGGCCTTCAAG
CTTATGCACAGTTGGCTCAATTATTCCTTGCAGCTGTAGGACTGGGTC
Sequence 261
AGGGNGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCCCCAAACAACCATCTAAAAA
TATACCNTTCCTGNCAGGTGCCAAACTTGCTTTTTCAGTTTCTTGGACAAAAATTCTGGG
ACCATCCTTGAATTTTCTATTTCCCAGATACACTGCAGTTAATTCACTAACAAATTGTGT
TATCTGTGCCTTAAAAAAACATGCCCAAAGGCCCGGGCCGTGTTGGCTCACGCCTCTAATC
CTAGCACTTTGGGAGGCAGAGGCGGGTGGATCACGAGTTCAGGAGTTCAAGACCAGCCTG
GCTTGCACGGTGAAACCCCGTCTCTATTAAAAATACAAAAATTGGCTGGGGCATGGTTGG

Table 2

CGGTCACCTGTAGTCCCCCGGTTACCTGCCCGGGGC
Sequence 262
CCGCGGTGGCGGCCGAGGTACGTGGGCTTTACGTAAAGAAAATGTGCCATTTTTTCAAGC
CAGATATAGCTTCTGTATCAACAAATGGAACACAAATCTTTAGTCTAGGACTTAGAGTTG
GGGAAAAAGGGAAAAAACAACTATAACACTTAAATGAAATCTTTGTATCTTAGGTTTGTT
GACCAGAGTATTATATATATATCTAATGCTACTAAAATTATGATGTTATCGAATATTCAA
GTTAATTCAATAAGTGGTGGTTATCTGTAGTAATCATAGAGAAAGGAACTATTACTATGA
GGGACCTGCGGGTACCTGCCCG
Sequence 263
ACTATTTAGGGCGANTTGGAGCTCTTCGCGGTGGCGGCCGAGGTACATTTCACGGANGTG
GGACCAAAAGAGGAAAGAACAAAATNTNCTAAGTGCCAGCATGTTGGGAATGCATCATTG
CAATAAGATTGTGAAACTAATGCTGGCAGGCAAACAACAAAAAACAACAACTGCCACAAA
CTGCAATATGCTTATCAGGGTCTGACCAAGAAGAAAGGCCCCCGATCTTCCACAGAGGAC
ACTGGCACCAGTCCCAGGTCCTGCAACTCTTGAATAGCTCCATGTGCCGTGTTCTCTTCA
NGTACCTGCCCG
Sequence 264
CGGCCGCCCGGGCAGGTTCGCGAGGGAAGGAATTACACATTTAGAANNTTATAAGTAAGA
GGTTGTGTTTTTGTTAAGGGAAAAAGAGAGTATTTTTTGTCTAAAAGTAGAATGTCTTAC
TGTTCCAAAAAGAAAAAGAGAAAAAATATAGACAAAAACTGAATAAGA
Sequence 265
GCCCGGGCAGGTACCTAATTTTACTCTTAAGCANNTGCGCCTTGTAATTTAGGTTGGTTT
CATTTCATTTCAACGGGAGAGAGTCCTGCTTCACACCTGTTGCAGTGTGTCCTTCCAGTG
AACACCCAAGCCTGGGCTACAAGAGCGAGAGTCCATCTCAAAAAAAAAAAAGGAAAAAAA
ATAAAGAAAAAAAGAGGCAAAGCATCCACTGATCCTACATTCGTGTNTTTATCACATTAC
CTTGTCTCATCTTCAACTTCGGTCTCTCCACATTGAAGGGAAGGTGACATGATGTCTTCT
TAGNCATTCAAATCCAATTAACTTTTAATTCTGAAGGTTAAAGTAATGAGGATATTAAAC
TAAGGAGATGGATAATATTCAATTTTTATGTTCACTGAA
Sequence 266
NCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGG
AAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCT
TGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGA
CTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTC
CTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGG
ACAAGAGACGAGGAGAAGGCCTTAGGATCTACTGGGGGAGTCCGGAGGGAGCAGTCTCTT
CTGTCCCGCTGGAACCCATGGTCCACTGGAAGTTCCTTATGGCTACCTTTCACTGGAGCC
ATCCTATTGAAA
Sequence 267
GGGCGNTTGGAGCTCTNCGCGGTGGCGGCCGAGGTACAAGTTGATTATGNAGGTGGCCGG
GGTNCAGGCTTCATCTTNCTGTGCTCTGAACACACCCCACACCTCCTCTATTTTAGCACA
TTTCCCAGTTGATTCCAAATGCGTGCTCACTCCTCTTTTCCCCCCACTAGAGAGTAAGCC
TGATCTTGCTCACTCGCAGTTAAGCTTCTGGACAACTTGTGGCGTATAATAAATTTTGCT
CAACAAAATTTATTAAATGAAGGAGTATCTCCAATTTGAAGGCAAATTTTCTTTGTTATC
TTGGAAACTGCCATAGGAGCTGTGTCTGAATGTGGTGATGGGTGAAGATCTTGTACCTGC
CG
Sequence 268
TACGACTNCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTT
AACAACCCCATGAGGAAATTAAGGCAGGGTGGTTCAGTAATTTGTCAAGGGAAACAAGGA
AGTAGAGCAGGCAGCAGAGGCGTTCTGGCTCTGAACTACTCTGTTCTGTAGAAATCAGTG
CAAAAGTCCAAGCTTCAGCATACTTGTTTCATCTTGTGATCACAGGTAGTTTTTTTTT

Table 2

Sequence 269
CTGGGGCAGNGGGAANCTNGCAGCNGCTGGNGANGANCCAAANCCTCNGCGCTCACCTAA
GCCGCAGGNAGATACACCCAACTGGNANATGANGAAACANCAACCNATANAGGAGAACTA
ACCCACACAGGATCATTNCNCGAAGGAACNAGGCTGAAGAACCAGACCTGGACTTTCTTA
NGACAAACTTACTGCAGCTTGAAGGAGCCAACCATGGATTTGAGGCGTGTGAAGGAATAT
TTCTCCTGGCTCTACTATCAATACCAAATCATTAGCTGCTGTGCTGTTTTTAGAGCCCTG
GGAGCCGATCTATGTTTAACACCATNTTACTAACCATTATTGCTATGGTGGTATACACTG
GCCTATGTCTTTATTCCAAATCCACATTCGCCTGGCTTGGGGAATTT
Sequence 270
CCGGGCAGGTACACTGTGTTCCAGACCCTGTGCCAGGCACATGGAAGACACATCTTTGTT
TATACCCTTCCCATGGTGTCTACATGACACTGCCTGTATTATATTTATCTGTGTTCATAT
CTTGCACAAGAGGTTTGAAACCAGTGCCCAGGCCTAATTCTTTTCTGGTGGTCCCAAAGC
ACCCAAAGGCCTTGGGGGGNAAAATTNCCCCNAAAGGGGNAAGGNCCCTTCCNAATTAAG
NTTGGCTTTTAATTGGAAAAAAAATTTGGAAAATTTTTTGGNACCGGNTGGNTAATTAAC
CCNNCCAAAAAGGTCCTTGGGGCCANGGAAGGGGNCNTTGGGGAANGAAAAATGAACCAA
GGAAAANTCCCTNTTGGCCTAAAAAAAACCTTCNAACCANGNGGTAANNTTTNCAATAACC
CCCCCCAAAAGNGGGCTTTNCTTTAGGNCCTTGGNTTCTTCNAATTCCAAAAAAGGGGGC
CCCAATTCCTTGGGGGGGNCCTNGGAAGGGGGCCAATTTCNAATTTGGGGTTCCAAGGTTTT
CCAANCCTAANGGGGGTCANANAAAANGGGAAGGGGGGGNCTCAACCCCACNCCAANAGGGG
TTGGCCTTGNCCTTNGGGTTGGGGGCCTTTTNNATTTTTTAAGGGGGGGGAACCCCTTTTCCC
CAAA
Sequence 271
CCGGGCAGGTACCCAGGGAACAAATGCTACTGGGACTCCACACCTACCTAAGAAGCAGCT
CTACCCAGACTCCACATGGCTCTCTGTTTTGGTCTGGAGACCCCAGCTGGGGTATCTCCT
GAGCCCAGGGATTCAAAGGTTCGTGGCAGAAATATGCATCCCACGGGACTCTCACTCACT
CACCATTTTCTTGTAGGGGGATTCCCCTGGGTCTGTGCCACTCCTGGGTGAATGGCTGAT
CTGTCTCACTCTTCTCCGTGATCCGAAGGTCACACTATGTCACTGATGAATCCTTATGT
Sequence 272
CCGGGCAGGTACACATTTTTTCCATTCTATCTCACGAGCTCAAGAGCTTTATACTAACCAG
CCCAGAAGATATTTTCCTTGCTCTAAATAACTGTAATTTTGGGGGTCATTTATACCCCAC
TTTTTATTTCTTTCAAGGACCTCTTACTGCTCATTATAAATGCCATTATCCTTCTCTACA
AGCGATCAAATATTATAAGGTCTGACAAGTTAGTTTTATGTTTGCATTGTAACTGAAGTC
CCATCCATCTATCCTTCGGGAGTTTCTGAAAACTCTATATGAACTTCACTCAAAATACAC
AAGTAGCATGTAAGCGTGCTGATCATATTTTTTAAAATTATGAAG
Sequence 273
AGGTACTTGGGAGGGAGCAGGAGGATTGCTTGGGCCCAGAAGTTTGAGGTTGCAGTGAGC
TATGATTAAACCACTGCACTCCAGCGTGGGCTACAGAGTGAGAGCCTATCTCAAAAAAAA
AAAACCAAACCCAAAACAATAAAAAAAAATACTTATGTCGCCTATCACATTTGACCTTTTC
ACTGCAAATTACTCTATATTTGAAATAATTTTATCTTTCTAGTAAAAAAGGGAGATTTCA
CCATATCTAATGTTACTTAATATAATACTTAATGTTACTTAATGTTAATATAATACTTAA
TGTTACTGGCTCAGAGACTTTGCCAAAGGATAGAAATAATTCATAAAACA
Sequence 274
AGGTACAGTGTGGTTGGGAGCAGCTGTGATCCCGCCAAAGACGTGCAGCAGAGACTGGAG
AGAGCTCGAGCCGCCACCCACTTGTGACCAGCCCTGAGGATGCAGCTGCGTGAAAGAACC
TGGCAGAAAATAGAAGCCGCCACAGATGCGAATGACGCCTGAACGCTCAGTGTGCTCCCT
GTCCACACACAGCCGTGGGCCAAGGAAGCCTTACTGTGCTCGAGGTATTTGAGCCCAGCG
TTTTTCCAGTGCTGGCTAATTGCTAAGCTGTGCAGACACGGTGGTGACCCCTTGGAAGCC
AAGGTTGAAAATTAAAATAGGCATGTGGGAAGGAACGGGGTGGCCACGAG
Sequence 275

Table 2

CCGGGCAGGTACGCGGGGACGTTAAGAACTGGACTTACAAGATGGATAGGACCTGGTGGC
AGCTGTCCTTGAGGAAGCCAGAGCCTGGAGAGACAGATCTCATGTTATAGCAGAGTACCT

Sequence 276
AGGTACACGCCTGTAGTCCTAGCTACTCAGGAGGCTGAGGCAGGAGGATGGCTTGAGCTG
AGGAGGCAGAGGCTGCAGTGAGCCAACATTGCAACACTGCACCCCAGCCTGGGCATTAGA
GCCAGACCTAGTCTCAAAAAATAAATAAAATAAAATAAAATAAAATAAAATGTTTAATAA
TGCCTACTCAGACAAAGAAAGGCTCAGGCAAAAGACTGAGTCTGATCTTCTACATTGAGG
AGACCATGTTGATTAGTGTTATATTCAAAAAAACCAATTCCCAAGTAATGCATACACAGC
TGAAAGAAGGAAGTATTCCAGCTACAC
Sequence 277
AGGTACAGAGCCTGGCACGTAGCAAGTGTTGAAATATCTCTTGGAGAGAGAGAAAAAAAA
TGAATCTATTAAAATGTCTCTATGATGCACTGCGGAAGCTAGACTTGGTAGATCGAGTTT
AAGGGAATGAAGAGGGGGTGAATGTTTGCTACTTCCGTATATTTGGAGTATTTGATAAAA
CAGAAGACCAGTTTCTCTTCAAACTTCATGTCGGTTTGTAGGCCAGGCTGCCAGGGTTTA
GGGTACCTGCCCG
Sequence 278
AGGTACAGAGGGTGCCAGGCACTGTGGTGCACACCTGTAGTCCCAGCTACTTGGGAGGCT
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GTGAGTAGCCACTGCACTTCAGCCCTGGCAACATAGCAAGACCCTGACTCTAAATATAAA
AAAAAGTATAGCGGGCACAAATGGGGCGAAGCCAGGGTGGGATGCAGAGTCTAGAGGGAG
ATGAAGCTGGAGAGGCAGGCAGTGGTCAACATGTGGCCATGGAAAATAGTTTAGGTTTGA
TTCTGATGGCACTGGGCTGCCATTAGAGGGTTTGAAGCAGGTCAGTGAT
Sequence 279
TGTTAAGGGAAACCACAGGACAACAGGTGAGTCACCAAGCAGCAGGACAGCAACAGTGAG
TTAATCATACAGAGGGCTACCACCCCACTGGGCTGATTTCTTCTGTTTAAAGAACACATT
CAAATCCAAAGCAAAGAACGAAATAATGTATTTCTCCCCATTTCTCCAAAAGACAATGCT
GAGCTCATGACCACATCTCAAAAAAGCTCCTAACCACACCCAGCAGAACCTCAGCATTGA
GTATATAATGCTTGGCTGACAATGTGCCCAGGGGAAATACAGTACCT
Sequence 280
CCGGGCAGGTACGCGGGTAGGGATGCAGAACTGGCCACAGTCAGGGCTGGCCAACAAGGG
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CAAGGCAGGACTGTAGCATTAGGTCTCAGAGATGCAATGAACAGGACAAATACACTTCCC
CTTCATCTGGACCTGAGGCTCTGGGCAAGTCAGTACCT
Sequence 281
AGGTACAAAGTTGGGAAACAGGTGAGCAAAGAAATCCATGGGTTGAGTTAACAGTGATTT
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TAAAAATATCTAATTATAAGTTTACGCCATACATTAAAGTGAAATTAAATTGAATATGTTT
TAAGAAATAACATTCCTAATATTCTAGGAAATAAGAGAATTCCTAGGGGCTCCACCATAT
CAAACCTTTGATTTTACTATCACACAATTTCTTTTCTCCTATTTTCGAACTACCACTGTT
TCTAGACAAAATACCAGATGGTTATTTTGTTTCC
Sequence 282
AGGTACCAATATTCTGCAGAAAACCAAAACCCCACCTGCATTCCTACTCCTATCATGATG
TTCTGCCCCCCGGGACCCTTGTTTATNGCTGGTCTCTCCTTTTGAAAGAACGTTACCCTT
TTCTTCACCCAGCAAATTCTTACTCAGACTTCAAGACTCAGTTCAGAGTCTGGGGATGAA
TATTCTACAAATGGCCCCCAGGATTGTCATGGTCCTCACGGCAGGTACCTGCCCG
Sequence 283
CCGGGCAGGTACTAGGATTGCAGGCATGAGTCACTACACTCGCCCAGAAATTTGTTTTTA
GAGTAACTACCATGCCATTAACAAACCTGACAAAATTAACAATTTCTTATCTTCAAGAAC

Table 2

TCAATTCATATTCAAATTTTTTATCATCTCAAAGCTGGTTTGTTCAAACAGGAGTCCAAAG
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CTAAGTGAGTCTGTAACAAGCGAGAAAGAAGCTCATTCAACTAAAAGAATTAAATTGGGG
GTCTGGCCCAAGAAAGTGGAAAAATAAACAAAGAAAACTAAAACT
Sequence 284

AGGTACACAGAGACACACACACTGAGACACACATACACAGACACACATACGCTTCTCATA
GCTGAAAACATGGAAGGCAGTCCATCTTTCTAGACAGTGAGTATCTAATACAAGTCAAGA
CACAGTAATTACGCTACAGACAAAGGGAGGGAGGATAAAAAGGAAGGTCACTCTGATTGA
AGAGGAGATGGTTAGTAGGGGGATGGATGCAAAGGCCAGATGTGGGAGAAAGAGACTGGC
AGGCCTAAGGTCAATTCTTATCTTGTCAGTGTGGAGAAAAATGTGTTACCAGCAGCGTTT
AGTCTAATGATGTGTGAGAGATACACAAAACAAAAAGGGGGGTGAGGGTTTTGGGT
Sequence 285

AGGTACTTAAGGAAGGGCAAGCGTTGGTAGCAAGCTTGGCTTTTTAGTGTCCTGGAGCTC
CCAGGAGAGGAGCAAAGTCTTGTCTAACTAAGGCTTGTTCCTGTGAATATGAAGATGCTT
CTCTCCAGTCGCTCAGTGGGAAAGTCAAATCCAAGGCTTTGGGGAATGAGAATTCCAACA
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CTCCCTCCTACCACGGCATAGGGATGAGAAGAAGGAGGGGGCACAGGTTAGGTAGGAGCT
TACTCAGTGCATCTGGAGGATGGAAAACCAATGGCGCACTCCTCCCC
Sequence 286

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GGCCTTTGCATTGGGAGGTCAAAGTCCGGGTTCATGCCATTCTCCCGCCTCAGCCTCCTG
AGTAGCTGGGACTACAGCCCATGAGGCTACTGAGCTAGAGTTTTTGT
Sequence 287

CCGGGCAGGTACCACGGTTTGTCGGTTTGTCGCTGGCCCTGAGTCGCTCCTAGGGATGGG
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GGGAGACCCCATGATTCTCATGAACATCTGAGCTGGCAGGAAGAACTTCCTGGAGAGTTG
ACAGAGATGGAACTCTAGCCTGCATGGAGCCCAGAGGGTTTGTTGTGGGAACAGTTGCAG
TGGAGCATGGCTGTGGATATCCATAACACCATACTCCTCTAGGCAGCTCTAGCCTTTGTT
GGCTGCCAGACCTGGACAATAGAGGGCTGGCTTGCTTGTGGAATGGGACCAGTC
Sequence 288

AGGTACAGTTCCCCTGACTGTTGACGACGGAGTCCTGTTTGTGGACCCGCCACCTGGGTT
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TTTCCAGGAACAAGCCTGCAGCTTCTCTCGCAGGTCAGAGTGATTTGTCCAATAGCAGTG
GCTTCAACCAGGTCAAATCACGGATCTGAGAG
Sequence 289

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACCGTAGCTGAGACTTCTGGAGA
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AATTCTACTGGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGA
GTTGTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGT
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GGGAGT
Sequence 290

AGGTACTACATGTAACAATGACAAAGCAATTCTGTGACAGAATTGTTGTCTGATGGATGC
CTGAGTTTTCTGATTCTAGATCCCAAATATTTATAGACTGTGAGAACGCACCTTGCTAGC
ACTGGTCAAGCCAATGTTTCTGACTTTTTTTTATTATCAGTGAAGAGGGCTTTTTGTTATA

Table 2

GTTTTAATTTTCTTTTATTCTAGAAATTGCCTCAGACAGGGATTGATGTCAGGAGCCTTC
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TGGGAGAAACCAGGAAGTCTGTGCCATGTTGACTTTGCTCATCTCATCGTGCTTTGTACC
TGCCCGGCG
Sequence 291
GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTCAAGGCTTCTGGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAG
AATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAG
TTGTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTT
CACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGG
GAGTCCGGAGGAGCAGTCTNTTCTGTCCCGCTGGAACCCAT
Sequence 292
AGGTACTACATGTAACAATGACAAAGCAATTCTGTGACANAATTGTTGTCTGATGGATGC
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NTTCTAATTNTCTTTTATTCTANAAATTGCCTCAGACAGGGATTGATGTNAAGAGCCTTC
AAGGAGAAAAATATACATNGAATGGNAGACCCCAGGTTGCGGGC
Sequence 293
NCCNNCCNNGNACTGCNNCNGATTNNCCTATGATNGTGNNNNCAATNAATNANACTAACN
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ANNNNAGNNAGNTNGNCANNNNNNNTATNTAAAAGNNCTGTAGGGGACATNACCCAATTCC
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TGACTAAGTTCTGGCCTATGAGAAGTAAGACGTATCTCATGGTGTTTTGAGAAAT
Sequence 294
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AGACAACAGAGAGATAGTTTGGCTAGCTGGGTGAGTTCAGTTTTTCTCCCACAACTTAAC
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TAATCCCAGCACTTTTGGGGAGGCCAAGGCAGGTGGTGGATCACCTGAGGTCAGGAGTTC
AAGACCAACCTGACCAACATGGCGAAACCCCATCTCTACTAAAAATACAAAAA
Sequence 295
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CTGGGATTACAGGCATGANCCACCGTGACTGGCCAGTATNTTTATTTTAAAGATGANACA
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TACACACCCCCAACTTGGAGGAAAGGAATATCATTTCCAAGNTGAACTACCC
Sequence 296
CCGGGCAGGTACTAGGTGCAACTGGGACAATGCTGTGAATTTTCATGAGGAGCTTTGATG
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AGTGGGAAAAAAGCAAACAATAAACTGGCAAAACCAAACTAAAGACTACTATACAACCAT
TTAAAAGAATGAAGTCACAATATTGATGACATTGGAAGGAGCTCCAAGATTTAGGTGGTG
GAAGAGGGAAGGCCAAGTTTCAGAAAATGTGCACAATATGATACCACTTATGTTAAAATA
CAAAGTAAAACTACAAAAACTGAAAAGGCTTGGAATGGTTACCTCT
Sequence 297
CCGGGCAGGTACTAATTTTACAAAATATGGAGGCCTTTCCTAGAATAACAAAATCATTAT
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AATTTCTTGATCAGGAAACCCAGTTCTAACATTTCTAAAATTGTTTTGTTTAGTGTTTTC

Table 2

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ACCTCCTATAATAGCGCTGTTTCAGGTGGTTTCTTCCTGGACACCTGGACATTTCCCAGG
TGTTGTCCCCTCTTACTCTTCAACCCTGCAACCTAATTCTACAAGCTTTGCCC
Sequence 298
CCGGGCAGGTACCCTATACCTTATCCCCTCCCACCTCTTGAGCCTGGCCTTTGTGTAGCA
AATGTTGCTTAAGGGGCAGTGGCTTCTCCCTTCTTCTGCCTTGACCCTGCCCATTTATAG
AGTGACCTGCCTATGTATTCCTTGATTTTTGATTCTGATAAAGCACTTGACATTTTAAAC
ATTCTTTTTTTTTTTTTTTTTCTTTTTGANACGGAGTGTTGCTCTCTCGCCAGGCTGGAGT
GCTGTGGCGTGATCTTGGCTCACTGCAGCCTCCGCCTCCCGGGTTCAAGTGATTCTCCTG
CGTCGGCCTCCCGAGTAGCTGGGACTACAGGTGCACACCACCATGCCCGGCTAATT
Sequence 299
CCGGGCAGGTACTTCCTCTACTTTCTGATAAGCTTTAAAAGAAAAAAACTAAACTAAATA
TTTCAAAATCAATGGACTTCAAGTAATCCAAGAGAATTTGGAAAACATTTCTCTAAAAAC
TAATCCAGAACACAAGGTGTCAGTTTGGAAATAACGGAAGCATATTTCGTTTTAAAAATC
TAAAACATTTTAAAGACAAAAATTCAAGTTAGCATCCCAGTGATTAACTCTGGAACTGCC
TAGCCAAAAACAACTTTCGGCACCTAAAACATAAAACTGTCAGTTTCCTCTGCTTGGAGA
CAAAACATACAAAAAGCAAACATTCACTGTTATATTTTCCTAGACATGAAAGA
Sequence 300
CACACTAGCTGATAAGACACTGTTGCCCGTAATGTCTATTTATTGGATCACNCAATTTAT
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AGGTNATCATTGGTTTGATAAAAGATATTGAGTCGCTCATCTTGTGAAAGTGATCTTTGA
TATAAGAGGAGCATNAGCGGGGAAGCTCACATGTCCCGTGGCTCACACACCANAAGGNAT
TTGTGTCTTGTCATTGTCTGTCTGGCAGTCCATGGCAATGGCTTTTTCAGAGAGGCCTGT
TTTGNGGTTAACTGNGTGTACCTCNGCCGAG
Sequence 301
CAACAAGATTGAGAATCCGGCAGAGCTGAACCAGTGACAGATTCGCAAGGTGGACTATTT
GGTGGCACGACCCTGGTTGTGTTTGCCACTGCTGAGCTTTCCTTGATTTCTGCTCATTTT
CAGATCTGGTTCTCCCATGTTCTTGCTGATTCTGAGAGCTGCCCAACCTACTTCAATAAA
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TATCAATACCAAACTTCCTAATTCAGAAGGACAAACAAAAGAACAAAAGAATAACAAATA
CNATCAAAAGGTTAGGTCANAAGTGCCGGATTTNGAAAGAATANATGAAATATGCATTTT
CATTTTCAGNATTTTTATTTATTTTTTT
Sequence 302
GGTGGCGGCCGAGGTACNNTTTTCTTTGTTTATTTCAAGAGGGTAAATTGGGCAATCTAC
ACAAGTTTGGGGTCCTTGCAATCAATCAAGACCCGAAGGGAGTAGCGGTTTCTCAGTTTT
ATTACTCCTGTAAATCCTTCTTCTAGTTTATTTCTGGTCTTGCAGAAATATTTTTCCTAC
CAGCTGCATTGGACATGGTGAAGTTTTTTTGTAACTTTTGAAGATTTTCAGTTTTCTGCA
TTAAATAATACTTTGGAGTATATACAATTTTTTTTGTTCTACATCATATATCCACACTGCA
CATAGATATTTTCTGGCAGAACAATATCCCATAAAAAATCTTAAGCTTCTTTAGTTAGAA
TACCATAACCTTCATATGCTACATGGTAACATTACCCGCGTACCT
Sequence 303
AGGTACCTCCGCATCCCTTTCCTCCCCAACTGGCTTGAGTGGCTTCAAGCTCTAGCACTG
CCTAACAAACAAACAAACACCTNAGTGACTTGTGATTTCCCCCCAGAAAAATATCTATTA
ATTATTTCCCAATGGTCTCCACCTCGGCATCAGGGCACAAGGTGTAGGCACATGCTCTGA
TCTTGCACCTAGGAAACCGTCATTATCAAGGGCATCCCCTAGTCCACTGTGCTCCCCGGT
AAGTACCTGCCCG
Sequence 304
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Table 2

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TACACAGCTCATTCAGCATCAACCACAAGGTGGCGCTGCTTCAATGCTGATTCAGATGCA
CAGCCCTGCTAGAGACGTTTCTCCACCATCAAGGCTACATTTGCTTGTGTCCTTTCCAGG
CCGGCCAAAAATGCTTTCTCCTTAAGGTTTCAGGTAATACACATATGGCTAACAGTCTAT
ATTGAGAAAGTAAACCACTGAGGCACAGCAACTCCCTACCCCCATCTTAGGACAGACTCT
GACTGCACCTGAGAGGACTTATCTCAGCCTCCCTTAGTTAACAAGGCAACAAAGTGGGGC
AGAAAGG
Sequence 305
AGGTACTCACATGCTGAGGGTAAGAGGCAGAATTTCTTTTGCTTGTAAGTAACAGGATCT
TTTCCAGAGCCTGGGTCTGAAGACCCCAGGTGTAGATGGAACTTCAGTTATGACTGGATC
CGTGAGTTCAAAGGATGCCACTCCCCGCGTACCTGCCCG
Sequence 306
AGGTACAGTTCCCCTGACTGTTGACGACNGAGTCCTGTTTGTGGACCCGCCACCTGGGTT
TTCTTCCTTGGCATGTGTAGTCCGTGGGTGGGATGGCTGGAGCATCACTGGCTATAACCT
GTTTCCAGAGCAAGCCTGTCCAGGACAAGAAACTGTGTGTTTTTTTTTATGGGAACACANA
TTTNCAGGAACAAGCCTGCANCTTCTCTCGCANGTCANAGTGATTTGTCCAATANCAGTG
GCTTCAACCAGGTCAAATCACGGATCTGANAG
Sequence 307
CCGGGCAGGTACGCGGGGACACATTCAGAGGTGAGCCCAGAGCGGGTAAAGTGGACTGGG
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AGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAATGTCAAAATGTCAT
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AGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATACTACATAAGAAGCAAG
ACCACAGACTCAAGACGGACATAATTGGATTTTTTTTTGCCATGGCCTAGAAAG
Sequence 308
AGGTACCTGTCTCATTCTGGCAACTTGTCACATTTCTCAATCCAAACAATATCTTTAAGG
TATTAAACCCTATGTTTTTGGCTGAAGAAACTGACCTCAGAAATGACAAGCAATGTATCT
AAAGAGCAGTAAGTAGGCCGGGTGCAGTGGCTCACGCCTGTAATCCCAGCACTTTGGAAG
GCTGAAGCGGACAGATCACCTGAGGTCGGGAGTTCGAGACCAGCCTGACCAACATGCAGA
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CAGCTACTCAGGAACCTGAAGTAGGAGAATTGCTTGAACCTGGGAGGCGGAGGTTGCAGT
GAGCTGAGATCACGCCACTGCACTCCAGTCTGGGCGACAGAGCAAGACTCTGTCTCAAAA
AAAAAACAAAAACAAAAACAAAAACAAAAACAAAAAAAAAAAACGGTAAGTAGCAAATCT
GAGATTTGAATTGAGAATTGACTCTAAAAGCCCATGCTGCTTCTAAAACAGAACCTTCTG
CACCTTCTCTCTATCCCTAATACTTCTTTTCCACC
Sequence 309
CCGGGCAGGTACGCGGGGACGTTAAGAACTGGACTTACAAGATGGATAGGACCTGGTGGC
AGCTGTCCTTGAGGAAGCCAGAGCCTGGAGAGACAGATCTCATGTTATAGCAGAGTACCT

Sequence 310
AGGTACGCGGGGGGAATGGCTTGTGCCTTACCCCATTCTGATCGGTCACTGATGCAGGAA
ACAGGGAATGGCGTGCCTTACCCCATTCTGATCAGTCACTGATGCAGGAAACAGGGAATG
GCTTGTGCCTTACCCCATTCTGATCAGTCACTGATGCAGGTAACAGGGAATGGCGTGCCT
TACCCCATTCTGATCAGTCACTGATGCAGGTAACAGGGAATGGCGTGCCTTACCCCATTC
TGATCAGTCACTGATGCAGGTAACAGGGAATGGCGTGCCTTACCCCATTCTGATCAGTCA
CTGATGCAGGTAACGGAATGGGCGTGCCCTAGGCAAGGCTTTGCTTTCAGATGAAGCAGG
GCTTAAATTTGAATGACATGAGGGCTATTTTATGCCTTCCTGGGACTCCAGATGGCGCCT
CATAGGATCTCACACAAGTGAATCATTTATATCATGGGTTCGTCATGTTTTTAGCATGTT
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Table 2

TATTAAGAAAGG
Sequence 311
CCGGGCAGGTACAGATCCCAAGGCCATTGTTCGCATAGACAGTGTGCACACCTGGTCAGT
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CCTAGCTCAACCACTCCTCTGTCTTTTTCTTCACTGCTGTTTGCTTATTTCAAAGGGAGA
AAATCTGTTGGTCACAGTGGTCACCACCGTATCCACTGGCCAGTCTTTCTATGCCACCTG
CAGTCTGCTGGCTGATTGTCCTTGAGTTACATATCCACTCCAAGCAAACATACACTCCAA
TCACCCATGGCCGAGATGTTGGGTTCACACTTGGCACTAGTGAGATTTCTTATGGGAGTG
GAT
Sequence 312
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GTAATGACTTTGCAGTGGCTCACGCCTGCAATCCCAGCACTTTGGGAGGCTGAGGGGCGG
TGGATCATGAGGTCAAGAGATCGAGACCATCCTGGTCAACATGGTGAAACCCCGTCTCTA
CTAAAAATACAAAAAGTAGCTGGGTGTGGTGGTTCATGCCTGTAATCCCAGCTAGTTTGT
AGGCTGAGGCAGGAGAACTGCTTGAACCTGGGAGGCAGAGGTTGCAGTGAGCCGAGATCG
TG
Sequence 313
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CTGCACCCCCTGCGCACTGGTTCTATGGCCACAAGGAGTCTTACCCAGTAAAAGAGTTTG
AGGTGTATCCTGAGCTGATGGAAAAATACCTATGTGCCGTTCCCTTGTGGGTTGGACCCT
TTACGATGTTCTTCAATATCCATGACCCAGACTATGTCAAGATTCTCCTGAAAAGACAAG
GTAAA
Sequence 314
AGGTACTGCATAACTAAAATTGACTTTTTTTAAAAGCCAGAACTATGTCACAGTTGGTGC
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GAAATGGAATAGCAAACTCCTACTCAATAGCAAACAATAAAATAAAATAAAATAAAGTAT
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GGTAAAAATCCTGCAGCTTACACATTTTTCCACTGAGAAGGCAAATCCTTACTCCTCCAG
AAACTAAAATATTAGACCCCAAACAGTGTAGGGGGAAGAGGGGTAGGAAGTTGAAAAAAA
GAAAAAA
Sequence 315
CCGCGGNGGCGGCCGACGCTAGATTNTTTGAGNGGCAAAANAANCCNCTCACATCATGAG
TGAGTCTTCTAACTCGGACAATGCNTTCAACAAATTCTAAGACCAAATCCCGGAGGCACT
GGCTCCAAAAAAAAAAAAAAAAAAAAAGGACCTCGGCCGCTCTAGAACTAGT
Sequence 316
CCGGGCAGGTCCGGGCAGGTACTTTGTTGGGAATTAAGGATGATGATGCAGATCTGAGTC
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AAGGAGTCCGGTTCTTTGTGGTGGATTGCCGTCCTGCANAACAATATAATGCTGGGCATT
TATCAACTGCTTTCCACTTAGATTCAGACCTGATGCTTCAGAATCCATCTGAGTTTGCAC
AGTCAGTAAAATCCTTGCTGGAAGCACAGAAGCAGTCCATTGAGTCTGGCTCCATAGCTG
GTGGGGAGCACCTCTGTTTTATGGGCAGTGGCAGGGAGGAAGAANACATGTATATGAACA
TGGTCCT
Sequence 317
AGGTACAATGCCCTTGGAGGGAGAGGGGCTTCATGGAAAATGGTTGCCATGATAGGATTT
GGGGAGAACCTCTATGTTTGAGGGAGTTTGGGTCAGGACCTATCCGTGGAAGCAAAAACT
AGTGCCCAAATATTCAAAACATAGTTTGGTGAAAGATCACCTATGATTCTGAACGAAATA

Table 2

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CTTTTGTTTTTAAGGCTCTCTTTCTTAAATTTCCTAACTTGGCCAAAATGTCAATGGTAC
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Sequence 318
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ACCAGCAATGTCAGAAGGAGCCGATATTTTGCATGGAGCTAAGGCTTCTGCTCATCATTT
CTCCTCTAGGAAGCAGGAAGCCATTGAAATCCATCCCTAATGTATCCCAAATGTCCACTT
GCTGAGGGCAGGATTGCACAAGCAACAATCTTTTGCTCATGAAGCTTAGGGAGCACTGTC
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Sequence 319
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Sequence 320
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TCTCTTTAATACCACCACGGATCTGGGGTGTTTGTTTTGGTGGTGATAGTGATGGGTTAT
TCTGTCAACCACGCAAAGTAGAAGTGCCTGCAGTTAGGTTTTTGTATTAAGTAGCAAGGG
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CTAAAATACANAACTGGAATTGAAACTCANGGCTGNGGGCCTCAAGTCCTNTTAT
Sequence 321
AGGTACCTGAGGCTCTGTGCCAGTGGGGATGACGGGGGCTGATGTCTCTTCCCATGGGCT
CCTATGGATTTGCCCTTCAGATGACCTGGTAGGGCTCTGAGTGACTGACTTAAAGACCTT
CGTAACGCCAAAGTGGCAAGATTTTGGAGACAGATTTGTGTCTCCTCATCCATGATTTTT
GACTTTAATCTTTTCTGAGAAGACCAGAAATCAGAGAGTTTGTCTTCTCAGCCTCTCTGT
GCAAGGATCTGCTGAGCTCAAGCTTCCCTTTTCAGCGTCAGCTTTTTAAGTTGAGAATAA
TAATTAAAGAAAACTCCAATCTCAATTCCAACATCAAGTGTCCATGAAGCT
Sequence 322
CCGGGCAGGTACAGTAGTCACTCTTGTCACAGTGGTTATTGTATCAGACGATACAGAACA
TGTTAATCATCATAGAAAGTTCTGGACAGTGGTGCTCTAGAGTCTCAACATGTCACGTGT
TCGGGGGATCACTGGATCTAAAGCCATTCCTTATGGGAAATGTTGGCTTTCTTGAAAATA
CACCGGAGACCAGAGAAGGTCACCATGTGGAGAAGAGGCAGCCTTCACTCTGCCAAGAAT
GCTGGCCAGGCTTCTCTGTTTTATATCTCATCACAATGAGGGCCATTCTGGCCCTCCAAA
ATATGGATACCAACCTTTACGCACTGTCAGAAATGGGCCACAATTAAGTGT
Sequence 323
AGGTACCAGAGTCCATGTTCTTAAACCATTAATCTACGATGCCTCTCAAGTAAATAGTCA
ATTAGTGGTAGGTGTGAGGCTGTAGGAAAAAGAGGAGACGAAGGGACAGGAAAGCAGTCC
TCATTGGAAAACTAGGTTTCGACTGGCACTGTTGGACTGGGCTGCAGTTTAGGTCCTCCC
ACTGCTGAGTTCCCTCACTTCATCTCCTGGTGCTTCTGGTTTCCCATTTATAAAATGCAA
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Table 2

GACCAATGTTAGTCAGATCAAGATTTATTTTAGATAAATTATCTGTTAGT
Sequence 324
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GAGTGCAAAAAGGACAGGGAGGCCCTGTCACATGAATGCTGAGTCAAATTTATATATATA
GAAACAAGACATTGCCTGGCAGGGAAGATGAGCCATGTTAGTGTGGGCTGTGCCACCACT
TCACCATTGCACTGATTACATTGTCGCACAGATAGCTACTGCCCATAATCCTGTCTCCTG
GCTTAAGTAAGTCAGAAATCACTGCTTTATAAATGAATTCCTAAGGTGGTTAGCAAT
Sequence 325
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TTTTTTTTTTTTTTTTAGACAGAGTCTCACTCTGTTGCCCAGGCTGGAGTGCAGTGGCACG
ATCTCGGTTCACTGCAAGCTCCGCCTCCCGGGTTCATGCCATTCTCCTGCCTCAGCCTCC
CAAGTGGCTGGGACTGCAGGCACCCGCCACCACGCCTGGCTAATTTTTTGTATTTTTAGT
AGAGACAGGATTTCACCATGTTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGA
Sequence 326
AGGTACCTACCCCAGTGTTCCTCCTGAGATGGCCTATGGTTGGATGGTTGAGCACAAACA
CAGGCACCGTCACAAACACAGAGAACGCCGTTCTTCTGAACAACCCCAGGTTTCTATGGA
CACTGGCTCTTCTCGATCTGTCCTGGAATCTTTGAAGCGCTATAGATTTGGAAAGGATGC
TGTTGGAGAGCGATATAAGCATAAGGAAAAGCACCGTTGTCACATGTCCTGCCCTCATCT
CTCTCCTTCAAAAAGCTTAATAAACAGAGAGGAACAGTGGGTCCACCGAGAGCCTTCAGA
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Sequence 327
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Sequence 328
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ACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAATGTCAAAATGTCATGTTCAATT
TTACATTCAGTGCCTGGAATCTTTTCTTCACAATTGAAATGAAATGTGCTGAAGGAGGTG
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Sequence 329
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CAGCTGGCTCACACCTGTAATCCCAGTTACTCAGGAGGCTGAAGCAGGATAATCGCCTGA
ACCCAGGAGGCGGAGGTGGCAGTGAGCTCAGATCACACCACTGCACTCCAGCCTGGGTGA
CAGAGCAAGGCTCTGTCTCAAAAAAAAAAAAAAAAAAAAAAAAAAATTAGTACCT
Sequence 330
AGGTACTCACATGCTGAGGGTAAGAGGCAGAATTTCTTTTGCTTGTAAGTAACAGGATCT
TTTCCAGAGCCCGGGTCTGAAGACCCCAGGTGTAGATGGAACTTCAGTTATGACTGGATC
CGTGAGTTCAAAGGATGCCACTCCCCGCGTACCTGCCCG
Sequence 331
AGGCATGCTGTCTAGCACATCACAGACCCTCAATGAATACTATAGGTTGAATTAAATGTA
GGACCTAAGGGAGTAAAAAGAACAGCGTCCTCCAGCATTTATGCAGCTGGAGGCCAGGAA

Table 2

TCTTCCCTCTGGCTTTGCACTACAGTAAAGATATTTACTTATTTTTTTAACAAAGTTTTA
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Sequence 332
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CGGAGGATGTTCATGTCCAGGAGCAGCCCCACGCCCTGTATGGTCGGTGTCTAGAGCCTC
GCAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAATGTCAAAATGTCATGTTCAATT
TTACATTCAGTGCCTGGAATCTTTTCTTCACAATTGAAATGAAATGTGCTGAAGGAGGTG
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Sequence 333
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CTTCTGGTGTGTGAGCCACGGGACATGTGAGCTTCCCCGCTGATGCTCCTCTTATATCAA
.AGATCACTTTCACAAGATGAGCGACTCAATATCTTTTATCAAACCAATGATCACCTGCAA
GCTATGGTATATTTTTGCAGCTGTGTAGAGCTATGTGGCATGAGAATGTGGGACTTATAA
ATTGCTGATCCAATAAATAGACATTATGGGCAACAGTGTCTTATCAGCTAGTGTGTACCT
GCCCG
Sequence 334
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TCTCTCTCCAGAACCATCAGGACTC
Sequence 335
CCGGGCAGGTACTCTGCGTTGTTACCACTGCTTTCCCGCGTACATGCTGATATAGGGACA
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CGTGGGCTCAGAGGGAGGAGGAAGCCCTCCCAGGTGGCAGTCTGCGAAATGAGGAAAGGT
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Sequence 336
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GCCACCGCAGCTGGCCAAGGCAGAGCTTCTTATAAGGTGAGAGGAGTAAAAGAGGAGCAT
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AAT
Sequence 337
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AGTTGAAGTCCCCCCAGCATATTAAGTGCTGAAGCCAGAATTCAAACCAATTGATAATTT
CAGTGCTCTTCACCGTAGACCACATGACCTCCCCTCAGTTAATATTCACCCGTTTTGCCA
GTG
Sequence 338
AGGTACCTCCGCATCCCTTTCCTCCCCAACTGGCTTGAGTGGCTTCAAGCTCTAGCACTG

Table 2

CCTAACAAACAAACAAACACCTCAGTGACTTGTGATTTCCCCCCCAGAAAAATATCTATTA
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AAGTACCTGCCCG

Sequence 339
AGGTACACAGGTAACCACATTTAGATGGACTGGGATGTTGCCACACATACAAGCATTGAT
AACTGACTTCTCATTACCTGAATACATTCTTCTGTCAGAGCAACAGACTCAGCTATGCTT
CTGGCAAAATTGTTCTTAATTCTCTATTGATTAATTTATTCGGTAAGTATTTATTGGGTA
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TAAATACTTATAATACTGTATCCATACTCTTGAAAAGCTTAGTTGGGAAGGCAAGGCATG
CAATAAGGAACACAGAATTTTAGTCATTCCACAACCATCTGTTGAATGGC

Sequence 340
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CCCACCTTCCAGTTTTTGGAAGCACTGTGCTCCATGCAATATTCTGCGATGGTCAGTCTAG
TATAAAAGGACTTCCTGGAGGGTCTGCTCCAAATACTAATGCAGAGGTCACAAATTGGTG
GCCCTCAGGCCACATTTGGCCCATTAAAGTATTGTTTTATTTGCTTCATAGTCTTTAAAA
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ACTAGCT

Sequence 341
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CAGATAGCAGGAAAAGAGGTAACACTTAGGTAACACCTTCAGCTTGTCAAATTGTATCAC
TGTTCATCAAAGGGAAACACACACATGTAGCCATGAAGTTTGAAAGGCATCCTGGACTAC
CTCTGCTGTGGAAGAAGAGGCTTGCCAGGGTTTTCAGAACCCGAATTTGTGCTGTGGCTC
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CATTTC

Sequence 342
AGGTACTGAGCTGAGCCATGCCAGAGAGCCTTTTATTGCAAGTTTCTCTGGACTGAGGAA
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CACGGCTAAGAAGATGAAGACCGTGCTGGGCCCAAGCCAGCGTGTCCCATGTGATAATTC
TCAACAAGTCTTTGGGCTCTTTCTTGGATCACATCCCTGTAGGGGAGCTGAATAAGGAGA
GAAGTGACATTCCTACACTGCTTCCTGGTTTATGAAATGTTCTTACCTACCCTAGATCTT
CACAACAATCCAGGAAGGAAACGGGCATTACTGCATTGTTTTAAAGGTATGGATACTAG

Sequence 343
AGGTACACAAGGGTTGGCCTGAGTCCCTGTGTTGTGAAAGTTGGCCTACAAAATGAGTCC
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ATGAGCCTTGGTCTGCTGAGCAGGTATGGAACCTGAGTCTGGGGAAGTGTGGGGCCATAG
AGGTCAGACTGAAGGGTAGGGTTATGGGGACTAGCCTAGTACCTGCCCG

Sequence 344
AGGTACCTTAAGAATTGCTGACACATTTATTACAATTTCAAGGCTACAACTCAAATCCCA
GGAACACAGGATTGCAGTGACCTACATAATTTGGGCTCAAATACCTTCAAGGCATTCCGA
AGAGACAGAGAACACCAGAACAAGGGAGAATTGGAGTGGAGGTGGATGCTGAAATTCCAG
TNTAAAAATCTACTCTGGCTGAGGAATAAGACAAAATGTAAGTGATTTAGGAAAATTATC
CCAGACAAATGAGAGGTGAACTTTGGAAGGGGGTATAAATCAAGATAATAATTTCCATAT
TTGCTGNTTCTTTTACTTTTTGCAGAAGAAATGCAATATAGTCGCTACTCAGGAATTTTG
ACTGAG

Sequence 345
CCGGGCAGGTACGCGGGACCCACTGTGCCCAGCCCTTGAATTTCTCCTAGCCCTTCAGTT

Table 2

CCTCAAGCTTCATGCCTCCCAAGGTTGCACCCCCCATGGCCTGTCCTGCAGTCCTGGGGC
CCTTCTCTGAGGGGATGAAGGGGGCACTTCCCTGAACAGAGAGAAAGGGAGACCCACACC
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CCTAGGGCCTCAGTGTCTTAGTCCGTAAAATGGTTCCTGAACTTTTAAAATACAAACACT
CTTTTGTAGAGTCGAAACACTTTGCAGACCTGCACTCTGTGGCAGTACCTCGGCCGCTCT
AGAACTAGTG

Sequence 346

CCGGGCAGGTACTATCCCATTTTCCTTTGCCATGCACCTGTCTTCCTCTTCAGGATTGAT
CACAAAATCAAAACCATTCCTACCAGCCAGAGGTGGGCACATGACCCAGGTCAGACCAGT
CACAGTTCCTGATTCCCGGCCACAGTGCTTGATGGGGGAATGAGCATATATCAAACCAGG
ACAGTCCAAGTCCTTCCGGGGACTTTGCTGCCACAGTTGACAGGGGGAGGTATTTGCATA
ACTTCACCCACACACAGCTAAGCTGGTGATCCTGCTGCTTGGCAGCATCTTCCCAGCGTAC
CTCGGCCGCTCTAGAACTAGTGGA

Sequence 347

GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGT
TGTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTC
ACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGGGG
AGTCCGGAGGAGCAGTCTCTTCTGTCCCG

Sequence 348

AGGTACCACCATGCCTGACTAATTTTTATTTTTTTAGAGATGGGGTCTTGCTATGTTGCC
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GGGATTACTAATAGGCATGAACCACAACACCCAGCCGGCATATCTGTATTTTGGTTGCAC
GGAGGCTGCTGCTATAAACCGTGGGCACCAGTGCCCACGAGTCATACATAATTGCTGGCC
CCCATGGCTGGAAGTATCTGAGGGAACCTCAGGCAAGGCCGTTTCTTTTCTGGAAGCTCC
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Sequence 349

ANGTGGNAGAATCACCTGAGCTTGGGAAGTTGAGGTGCAGTGAGCTGANATCGCACTGCT
GCATTCCANCCAGGGTGATGGGAGTGAGACCGTGTCTTAAACAAATAATAATAATTTGGG
GGTGATGTANACAGAAATAAGGACAGAGGTATGAAAAGGAATAATTATTTAGCATTTTAC
TAGCCAGAGATTTGGGCAGTCCCAAAAANCANCTTTTCTAATCTCCCTCTCCTTTCCCAA
AAAACTTTAATCAGATCCNNTAGTATCCTATCATCTTTGGGTTATTTACATACTACTTTT
TGGAGGGGGGATTGNNGGAAAGCTATCGAGATCT

Sequence 350

AGGTACTATGTCCCTCTCAAGTCCTGAATCTAACTTAGGGAGTAGCCAGGAGACTATGAG
AAGGAACTACTCCAGGGAAAGAACATCCCATGCCCTTTCTGAAACACAAGTGGCAACCAT
AAGACACCACTCTTTATCCTACCTTTTAGCAGACTATGCACAGTCCCAGGAACGAGGCCA
GAACTGATAAGCAAGTGTGGCATTTGGCTCCAGCCAAGGTTATGGGATTCGGGAACCTCC
CCATCCTTGGAATTGGGCTGGGAGGGGTTTCACCTGGGAGCCACAGTTTTATGGCCTGGG
GTTATATTGCAAGTCCAAAGACAA

Sequence 351

CCGCGGTGGCGGCCCGCCCGGGCAGGTACATAGTTGCTCATTGCCTAAAAAAAAAATGTT
TGCCCGTGTGAGACATCGATGCATCAATAGTGCTTAATTATAATGACAGCTTCAAGCCAC
AGTATTTTTCCACATTTTTTTTAGTTCTATGTTCTCTTAAAACTAGTCTACCTAGGCTGGG
CGTGGTGGCTCACGCTTGTAATCCCAGTTCTCTGGGAGGCCAANATGGGCGGATCACCTG
AGGCCAGGAGTTCAAGACCAGCCTCCCCAACATGGTGAAGCCCCATCTCTACCAAAAATA
GAAAAATTAACCAGGCATGGTGGCGCATGCCTGCAGTCCCAGCTACCAGCAAGGCTGAAG
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Table 2

ACTCCAGCCTAGGAGACAGATGGAGACCCTGTCTCAAAAAAAAAAAAAAAAANGGG
Sequence 352
GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGANGTACATTATTCCTCCTAAGCTCCTGAT
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AAAATACCTGACAAAGTGGCAAATAAATGTGTCAGACTAATGGGTTCAGCACCCACATCC
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Sequence 353
CCGCGGTGGCGGCCGAGGTACTACTGGCACTGAGCCAATGTATGCTATCAAGGAAAGCTT
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CACACAAACTATGAGGAGAGATCATTTCTTTTCTTTCTTTTATTTATTTATTTTTTTTGA
GACAGGGTCCCACTCTGTTGCCCAGGTTAGAGTACCTGCCCG
Sequence 354
CCGCGGTGGCGGCCCGAGGTACTACGCCAGATGCTGTTTACACATAGAGTTTTGAGCTGT
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GCCCGGGCGGC
Sequence 355
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CCCG
Sequence 356
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ACTTACTAGTACCT
Sequence 357
ANGTTGGAAACTGACCTGGGGGCCTCANCTTGCTGTGACTGTCACTGCCCATGTGTTCTT
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Sequence 358
GGAGCTCCCCGCGGTGGGCGGCCGCCCGGGCAGGTACACATCTGCTCCTGGGCAGACCTT
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CAAGATAACAGGGAAGACAGGAGACTATCTGCCTTCTAAAAACACTCAAATTCTTTTCTA
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Table 2

ACCTGACTGTTACCATAGAGAATACAGGTATTCCCACTCTGGCCAGCTGTGTGCAGTGTT
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Sequence 359
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AAAATGGAAATGCGATAGCTAGTACCTGCCCG
Sequence 360
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AAGGCAGATCTGCAGATCCCCTAAAGAGCATTGTCAGTTATGCTGGGCTGTTCCTACCCT
ATCCCTCTGTTTACCTGCGGCGGCCTCTCAGAGCCGTGATCGTGGTGGCTTTGTGGNGGT

Sequence 361
CCGCGGTGGCGGCCCGCCCGGGCAGGTACAGGGCTGGATCCTTCCCAGCCAGGGTGCCTG
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CTAGAGGCAGGAGAGGTGAGGAGGGAAGATAAGGACACAGATGGTGAATGTGGTGAGAAA
GGAAGCATGAGGGGGTGGGCATGGTGCATGGGAGAACAGAGGAGGCGATGGAGGAGTCCA
GGAAGCCTTCCTGGGAGGCGGTCGCCTGAGCTGAGCCTCAAGGAGTATGAGCAGCTTCTC
AACAGGAGAAGAGAGTGGAGAGCACTTTGGGCAGAAAGTTACA
Sequence 362
GACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGGTACTTAATAAATT
ACTGTTATTATTAATAACTCACCATTATTAGTTCAAATGAATGAACTTATCCAAAGTTTC
AAAGAGTCTACACAAAAATATTTGCTTTCATGTGCTTGAGTAAAGAATTTAGTATCTAAG
AAGCATAACACCTTTAACGTTTAAAACAATGGTTAATATAATTTATAGGAAAAATTTTTT
AATATTCTGTTAAAAACAGCAATAAAAGAAAGAAGATGC
Sequence 363
GATTGGAGCTCCACCGCGGTGGGCGGCCGAAGTACCTNTNTTTCNNGGCCATGGCAAAAA
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CACCTCTGAATGTCCCCGCGTACCTGCCCG
Sequence 364
GGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCACCTTGGTTGAGAACTCCTGACT
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ACAACTTCAGAGGCCTGAGGCAGACGTGTATTTTGGAAAAGCTTCCCAGGTGATTCTGAT
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AATGATGGCTCATGGTTATGGCCTTATGATGGGGATATAGCTGAGGCAGCACACACCTTG

Table 2

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TGAAGGCAGAANAGCAAAGGTCACTGAGAGGCCATGTTTTGCCCTTCANTGTTGCCAGGT
CCTGCTGTGTGTCCT
Sequence 365
CCGCGGTGGCGGCCCGCCCGGGCAGGTACAGGGTTTACTCAGTCCTGTTGTGTAATAGGA
AGCAGGAAAGGGCAAGGGCCCTGGGAACAACCTCAGCCCTGCCACTTACTGGTCATGTAA
CCCCGAGCAAAATGACCACCTCTGAGCCCCAGTCTCCTCTTCTGTAAATGGGTATACCAC
CACCTACTCATAGGCTGCGTGATGAGAAATGGAATAATGTCAGGGAGTGCCTGGCATGAC
·GCTGGCACCCTGGAGGCTCCCCAGGAACGGTGGCTACTGCCTTCAGAAAAACTGAATCTA
CTTCAACTTATTTTACGTAGGCCAAAGCATCCAGTCAGTGAGTAAATCAAGCTGCAAGAT
TCATTTCTACTTAACTTTTAGGAGGAGTCATCCCATGATACCTCGAATAGGTCTCAAAGC
ACATGCATGATATAAATGATTCACTGATATGACTCTGGTCAGATGTATGTTCTTATGAAA
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CTTTCAAATCAAGGCCAGAGACTTCCGGTCATCATCACTATTTTT
Sequence 366
GAGATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACGCGGGGTCACTGGACTGAAAGTTC
CCTAAGGCCAAAGGCCATTCCTCTTTGGCTTTCAGTAGTATGCCCTGGCATTTTCTGCAA
ACTTACCACTTGATGGGTGCTAAAATATGTTTTAAACTGAGTATTGCACCCAACGGATGA
AAATTTTCTAAAAGTGCTTCTATCAAGAATTAGGAAACCAAAGTATAGAAATAAATGAAG
CTGATAAGCATAAGTTTGTGATGCTAAATAAAATTACACTGAAGTCCTAGCCACAGATTG
GCAAGGACAGTTTTGTGGGGGCAGCCCCACATGCCATAGTCCTCTGCAGGGAGCCATAAC
TTAACATCCCCATGTTTAAATTTTAAATTATATACCCAGCCCCTTGTTTGTCCATTACC
AGTTGAGAAGTGAGGTAATTCATTCTCCTTTCTACTGCTTCTGCCCATGGTGAGAACAGA
ACTTCCATATACATCTTCTCTGCCCAGCTGGAGGGGGCTGATGGAGGACACAGCTTCTGT
CATCCACGCCTCCCCTGGGAGTCTCTTTACTGATTGGTCTTCATTTGATCTACATTANGG
CACATTTACTGATGGATGGAATAAACTGCTTTAACAGAATCATGGTCTNCAAGTTTCACT
TCACCTTCTGTCCTCANGTGTGGCANGTGCCCTGGCCCGAACCTGCTATTCTNTTCNGCT
TCCTGGTTCTTGGGGGCTTTTATCTACCGGTCNG
Sequence 367
AGGTACAATGGGCTTCATTATTGCCAACTTGGAATAAGAAGTAGCAGAGGCTCAAAATAG
TAATGTGAATGCTCAATGTTACATAATAATTCAATGGCGAGGCCAAGATTGGGATTCCAA
TTCTCACATTTCTAGCCACTGCTCTTCTTTTACACAATAAAGATGGGGAAAAAACATTTA
AGCAAGTTTGACAGGAGAGTGCCCTCTCCACCAACAAAAATTATTGAGGCTCAAAAGTTC
AGGGATTTGCAGAGACCATTCAAATGGGAAAGGGCAAGTCTCTTCAACATGGTGGTGGAA
AAACTGGATATCCACATGCAAAAGAATGAAGTTGGACCCTTACCTTATACCATATACAAA
AATTAATTCAAAATAGATTANAGATCTAAACAGAAGATCTAAAGCTATAAAACTCTTAAA
ACACAGGAGAAAAGCTTCAGTGACNTTGGATTTAGCAATGATTTGTGGATGACACCCAAN
GCCAGGCCATTAAAGTAAAAATATGTTACTGGGCCCTCCAAAATTAAAANTTTGGGCCCT
GGAAAAACCACCCGAATTTTAAAGCCCACTCCCTATGGGGAAAAAANTTTGCCAATCNT
TTTTTTGGTAAGGGGTTTNTTTCCCNAAA
Sequence 368
TGNAGCTCCACCGCGGTGGCGGCCCGAGGTACCTTTCTTTCCAGGCCATGGCAAAAAAAA
TCCAATTATGTCCGTCTTGAGTCTGTGGTCTTGCTTCTTATGTAGTATTTCCTTTGTGAG
CTGAAGATTAATGCATGGATTCACCTCTTCAGCACATTTCATTTCAATTGTGAAGAAAAG
ATTCCAGGCACTGAATGTAAAATTGAACATGACATTTTGACATTCCTTCTTCTGAGAGCT
GGGTTGGTCTTAAGTTGCTGTGAGGCTCTAGACACCGACCATACAGGGCGTGGGGCTGCT
CCTGGACATGAACATCCTCCGAAGCTCTCCCCAGTCCCCCCGCGTACCTGCCCG
Sequence 369
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCGGGCAGGTACATTTTCTAAAA

Table 2

TCCAAAATTACCCTTAATAAATCTTGGCAAAACACACACTATAGGAGATAAAGACATCCC
TAAAATTTCACTCTAATTTACTGAAAATAGAAGTCAAATTAAATTCAAATGTTGGCTTAC
ATTAAAATAGCACAGGATCTTATAATTTACTTTTAATCTTGGAGGAATTCTCATTATTCT
CTCATCAATTCTTCTTCAAAAAAATAAATTAATAAAAACTTCCTTGTTTGTCACATACAG
TGTCCTAAACAGAAACATCTGATTTTTCTTTGGGTCAGCAAGAACAACTTAACTTCCAAA
TTCCTTTATGGCCACTATTTTAGACACTAAGACCAAGAACTCCAAAGAAAGCTATAAAAA
AAAATGCTACTATATGACTATATAGTAGCATATATATATATAGAAAAAAATATAGTATAT
GATACCAAATATTATAGTTTACAAAACCACATTCATATACAACAGGGTTCAATTTTTTAA
ATCACATCACGAGTGGAAAAGAAACCCAAACTATATATTCTANGGAAAAAAGCACCGGTC
ACAGTGGCTTAAGCCTATAATCCCAGCACTTTGGGAGGGCCAGGCAGACAGATCCTTGAA
GGCCAGGAAGTTTGANGGNCAGCCCGGGCCAACATTGGGTGGAAACCCCTCTCTTCCCAA
AAATA
Sequence 370

AGGTACTACTGGCACTGAGCCAATGTATGCTATCAAGGAAAGCTTTATCTGTCACTGAGC
AAAAGGTGAAGTTCAATTAGGTCAGTTTTATCACTTCTTTTCCTACACACAAACTATGAG
GAGAGATCATTTCTTTTCTTTCTTTTATTTATTTATTTTTTTTGAGACAGGGTCCCACTC
TGTTGCCCAGGTTAGAGTACCTGCCCG
Sequence 371

ATTGGAGCTCCCCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAG
GTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATGG
ACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCT
GCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTG
TCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAG
GAGAAGGCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGA
ACCCATGGTCCACTGAAGTTCCTTATGCTACTTTCACTGAGCATCCTATGAAATACACCA
GTGAGAAATTCCTTGAAATTTGCAAGT
Sequence 372

CCGCGGTGGCGGCCCGCCCGGGCAGGTACTTGGCACATCTGGAAAATGACGGAGTCTTTC
AAAAATACTGCTGGGAAGATGACCTGTTTTCACTCTCTCTCTAGGCAGGTTCACATCACC
AGATGATGCTGGATATGGCTCCACTCCAAGGAAAACAACCTTTTCTTGGTCTTTCAATGG
CTGTTTATGAGTATACAACAAGTGCTTTCTATATACTGCAAACTCGTTAGACAGACAAGT
CCCTCTGTCAATCCCACTCTACAGTGCATATGCTTCTGTGTGGTACCT
Sequence 373

CGCCCGGGCAGGTACGCGGGGACACATTCAGAGGTGAGCCCAGAGGGGGTAAAGTGGACT
GGGGAGAACTTCGGAGGATGTTCATGTCCAGGAGCAGCCCCACGCCCTGTATGGTCGGTG
TCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAATGTCAAAATGT
CATGTTCAATTTTACATTCAGTGCCTGGAATCTTTTCTTCACAATTGAAATGAAATGTGC
TGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATACTACATAAGAAGC
AAGACCACAGACTCAAGACGGACATAATTGGATTTTTTTTTGCCATGGCCTGGAAAGAAAG
GTACCT
Sequence 374

CGCNCGNGCANGNTCGCGNGATTNTNNCNGCCTCATNNTTNNGNAAGTNGCTAGNNNANG
TGNNTCATGNGGTATAATGNATNAATACCNCCTTTNTTATNNTNACCTACTNNCTNACGA
CNCCTCTNATTATGNCNTNACNGAGATCGNNNGCATANNNAAGNNNCGCCCCTNATTGCC
NNNNNNNNNGNACNNCCNANAAATNTANAAAGNACATGGGANAANTTATAACTAANTGNTN
NNCTCACNTTCCTGAATNAAAGNTGACACNCNTGCANNNNAANAAAACACTTGNNNNNNN
GTNNGACNNCCTTGACATTAATCTNTNATAGGATANGAAAACTCTTCATCTATNCATAAA
GCNAACATGTCCTNGGC
Sequence 375

Table 2

GCNNATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACTAGGCCCATGGTAGACAGTCAAC
AAATATTTGTCCAACTACTTAAGAGAAGATAAATTATTTTTCTAAATACAACTTTATCTA
TGCTCTTGCTTTCATAAACAATACCTCCTAAGAGCAGAGATTAATATGAGTAGCTGAAGT
CAATTTAATATAGTGGAGTTAACTGCTCTGACTGGATGTTATCTATCAATCAACAATCAT
AAATTGAGCATCAACTATATATTCAGCATGAATATCCTCATCAATATCTATGTATGTATG
TATGTATGTATGTATGTATGTATCTATCTATCTATCTATCTATCTATCTATCTATCTATC
TAATCCATCCATCCATCCACACTCTGAAGATGCTATATATAGAGGCCATGGGAAATACAG
AANTCTATCTATGGCAGGGCCCTGCCCTCAAGGAAATGGNGGGGGTCCAACAGTATTCAC
TGNGGTNGAAGGGACCTGCCCGGGCGGGCCGGCCGGGCAGGTACTTNCCCAACCCCTAAC
CCATCTTANCANAAAGTTCAAAGCTTTTTGTTGCTTAGNGACCATTTCTTCAATTTCCCA
ATTGTTNNTGANGGCGGTNTAAATGGATCCTAATATGCTCCTNNAGGANTCNTTTANAAC
ATTCNTTGNTNTTCATANGGNCTTTATGTACTAAGGAAAAATCATTCCTTTNGGGAAANC
CAAACCCTTTTGGAANGGGCTGNTTCCCTTGGAAAA
Sequence 376
GCGAGATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTCCTCTACTTTCTGA
TAAGCTTTAAAAGAAAAAAACTAAACTAAATATTTCAAAATCAATGGACTTCAAGTAATC
CAAGAGAATTTGGAAAACATTTCTCTAAAAACTAATCCAGAACACAAGGTGTCAGTTTGG
AAATAACGGAAGCATATTTCGTTTTAAAAATCTAAAACATTTTAAAGACAAAAATTCAAG
TTAACATCCCAGTGATTAACTCTGGAACTGCCTAGCCAAAAACAACTTTCGGCACTTAAA
ACATAAAACTGTCAGTTTCCTCTGCTTGGAGACAAAACATACAAAAAGCAAACATTCACT
GTTATATTTTCCTAGACATGAAAGATAGAAC
Sequence 377
TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTGAGTAAGAAG
CCCATTTGGTTTGTGTCTGGGAGGATGGGCAGTGAGGATGAGTGAGGATGAGTTTAATTT
AGCTTGGTGAGAGGGGGACAAATCCACCTTTTCACGAGAGCTGTTTCTCATCGCTTTTTG
TCCCCCTTCATCCACAACCCCCGCAGCCAAGGCAGTGTCAGTAAATTTTGGGATGGAAAA
GCCTTAGGTAGGATTCTTATGTTTTCGAAATGTGACTGATTGGAATTGGGGGAAAGCTGT
ATTAAAATTGGATATGTGGTAAAAGCTGGATATGTGGTTATTACCCATATCCAGTAAGTG
AGTCATGTTCCTGTGCTACCATGATCTGCCCGCAGTAACCTAGCAAGACATCAAATCACA
GTGTGCAGTAGATGGTACCT
Sequence 378
ACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTCGGGAGGCTGAA
GGAGGAGAATTGCTTGAACCCAGGAGGCAGAGGTTGCAGTGAGCAGAGATCATCGCACCA
CTGCACTCCAGTCTGGGCAATAAGAGTGAAACTGTCTCAAAAAAAAAAAAAAGGAAAAATT
AATTACACCTGAGGGAAATTCCCATGCAACATTTAATGAATGCCTTCAGTGCTGTTATAA
TGCATTAATTTCTATGAGAAATGTTCTCTCTTTTTTGTGCCTTTTAGGAAAATTGCATTT
TGGTGATAGAAGATAAAAACTTGGCTAATTAGGCCAGGCATGGTGGGTCATGCATGTAAT
GATATGGGAGGCTGGCATATCACTTGAGGCCAGGAGTTCGAGACTAGCCTGTCCAACACA
GTGAAACCCCGTCTCTACTAAAAATACAAAAATTAGCTGGATGTGGTGGTGGATGCCTGT
AATCCCAGCTACCTGGGAGGCTGAGGCAAGAAGAATCGCTTGAATCCAGGAGGTGGAGGT
TGAAGTGAGCCGAAATCACGTCACTTGTACCTGCCCG
Sequence 379
TAATACGACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACAGAAC
TTAAACACCACTATTTGTTGAGATGAAAAAAAGCATATATAGGAAGCCTTCAAAATGAAA
TGGTCAAGGGTGAGTTTACACAGATAGATAGATTTAGGTCTCTTCCTTTTGCTTTGTGAA
AGCATCTAGTGTTTAGGTGTCAGAGAGGGAGATATCCTTACAAAGCAGAGATTATCATTA
CAGGTTTACATTTCTTACAAAGAGTTTCAAAATAAACAGGTAAATGCCAAAAACATATAT
TTTGGAGACGGATTAATTCACTAGTTGGTCTATTCAACTTAACTTGTTTCCTAATGAGAT
TAAATTCATGCACAAATAACCAAACCAAAAATTAAACCAAAGAATACTCACCAGAAAGG

Table 2

ATGTCCTTTACAAGAGCAGATCCCCCAAAATGTAAGAGTTCACTGAAAAGGTGGGAGCTC
AAACCAAGAGAGGACTTATCTCGCAGCATAAAGACAACTTGTACCT
Sequence 380
CGAGGTACAGCTTGGGCCTCCAGCTTTGGGCACTAGAATTGGACCCCTGCACCCCCATCA
TGGGACTGGAGCAGGAGATTTGCCTGAGAGGTGTGGTTTTGGACCCAATAGCAAATTTGC
AGGCTGAAGGAGATATATGGTCTGTCTGATTCCTGTGGTTGGGATGAGGAAATGAGTCCT
GATGGTTCTGGAGAGAGAGAGAGGCAGGTCCCATACTGTTTGCCTGGTTTTAACAATGGG
TTTGCCCTTGCCTTCCTGTGCTGGGACATTGATGCAATGTCAGTTGCTCTCATCTTTGCC
TAGGCATTTCTACAGGGTTTGGCAACTGTCCCTAGATCCCTGTCAGAGCCAGTGCTTCTG
CCTGCTACTGGGGGACCAAATGGCTGTCTTGCCCAGTCCAGCTCTACCCAGCTTCACCTC
TCCCCACCAGTCCCCTCCCCTCCCCCAAGGCTGAGTGTAAGACCCAAACCACTGAGCTTT
CCCTGGCCCAACCCATTGCGTGGGACACTTAAGTACCTGCCCGGGCGGCCGCTCT
Sequence 381
AATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCTGGCCTATTCCTGGCTTTG
AAAAAATGGTTTTCGGACACTAAATCTTTTATTATAATTCAAACACATTATAGTTGCTTC
TGGGAGACTTTTGCCTTTTGCCCTGCTTACAAACTAGCATCATATTCTAAAATCTCAGGA
ACTAAAATTACTCATTGTAATTTCTCTAAAATTCAAAGCCTATTGGAATCCCTGCTCTTG
TTATGTAAAATATAAATATTCGAGACATTTCACACCACATTTTCATTATTCAGCATTCCC
ATCAAGTGCTGGAAGGCCAGTTCGCTATTTTATAATGAACGTNCTGGGTTTGTTCTGAAA
GGGCANCCTTGTACCT
Sequence 382
CCGGGCAGGTACTGTGCTCAGAAATGTGACCAGCAATGTAAACCGACAGAACCAATGGCT
TTTTTGAAAATAACAAAGTATTTCCGATCCTTTTTTAAGTAGAGAATTTTCTCCCAGCAC
ATCCTATTTCCAATTGTGCGCAAAAAACCTTCCAGCTTACAAATGTTAATTCAGGGGTTG
GCAAATAAAGGCCCAGAGGCCAAATCTGGCCCACCACCTGCTCAGTCTGCAAGCTAAGGA
TGTTTTCTTACATTTTTAAATGGTTGGGGAGAAATAGAAAGAGTATTTTTGAATATGTGA
AAATTACATGAAAAATCAAGTGTTCAGTGTCAATGTTTCTTTGGTATACAGCCACACCCA
TTCATTCACGTATTGTACCT
Sequence 383
GCAGGANCCCGGGAATTACCACCATTTTACAAGGGGGGAAANTTNNNTCATAGAGCATTA
TCACTTGTNTAAGGTCCCCAGGAGAGGAATGGATGGAATAAAAACCAAACCCGTCTGTAT
GACTTATATCCGCTGCTCTGAACATCTGGGAGGGCTCTCATTTGGGCATTACTCTTCCCA
TCCACCCTAAAGATTGGCGAGAATGATTGCAGTTTAGTGGTAGACATTCTGCGAAGGGTG
GGACCTTTCNGCCCATCAAAGAATCATTCTGCCCAAATGCCACCAATGCCCCTCCTTGAG
AAACAGCTCAAAACTCTATGTGTAAACAGCATCTGGCGTAGTACCTCGGCCGCTCTAGAA
CTAGTG
Sequence 384
TGGAGCTCCCCGCGGTGGCGGCCGAGGTACAAAACTTTCTAAACATCCTGTTTTCCCTCA
AGACAGGGCACTGTTCTTAATAAACTGAACATTCTTTTGCACTGGCCCTGGGGCAAGGGT
GTCCCAAAAGCTTTGACAGGGGTGCCATTTGGCATAAACAGTGTGGTAATAGGGTGGAGT
CAGAAAGAAATTCTCTCATCCCTTTTACAACTCCAGGCAATTCTAGAACCAACCCTTGGG
AACCCAGGGAAAGAACTCTGAAATGATACGCTGGCTGAGGTTNGCCCGTGGCCACACCTC
AGGGTTAAAGCN
Sequence 385
CCGCGGTGGCGGCCGCCCGGGCAGGTACTGAGATCCTCTTCCCAAACCAATCAAAGGCCC
ATTTATTGAGAGGTAACCAGATAAAATAAAATGGTTGTAAACCAAACACTCCCTGGTGGT
TCCTCGTAGGAAGCCATGCTTCCCCAGCTTCAAGCCTTTCTATGAATTCTATCCAAAACA
GGGTTGGATCANATTCTTACTGAGATCCTACTTGACTTAATCCTTGGCTTGGGGTTACTA
GGGAATTAAGACATATTCAAAGGAAAAGAAAAGGAAAAAATAAGCAGCTGGAGTTTGTGT

Table 2

GCTTGGGTATGCTTCTATGTATGTATACACAATAGTTTAAGCCTGGCTAAGACTTTTATG
A
Sequence 386
ATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACCCTGATCATATCANGGGCCCCATTTTA
AAAGGAGACATTCTGATGAATCAAAGGAAAGATATNCTAGGAGCANAAAAATGTTTTGAA
AGGATTTTGGAGATGGATCCAAGCAATGTGCAAGGAAAACACAATCTTTGTGTTGTTTAT
TTTGAAGAAAAAGACTTATTAAAAGCTGAAAGATGCCTTCTTGAAACACTGGCATTANCA
CCACATGAAGAATATATTCAGCGCCATTTGAATATAGTCAGGGATAAGATTTCCTCNTCT
AGTTTTATAGAGCCAATATTCCCAACCAGTAAGATTTCAAGTATGGAAGGAAAGAAAATT
CCAACTGAAAGTGTAAAAGAAATTAGAGGTGAATCCANACAAACACAAATAGTAAAAACA
AGTGATAATAAAAGTCAGTCTAAATCCAACAAACAATTAGGAAAAAATG
Sequence 387
CCGGGCAGGTACTTTGAAACATTCCTGGCAGGCAATGTGTCCAAGAGGGAGAATCTGAGA
CCCACTTTCCTGAGGTCATCCAATCCCCTCCCATCTTATCAGGGGTATGGTATGGCAGCT
GTGGCAGAGGGATGGAGGAGAGGAGACACCANAGGGAAAAAAAAAACNCAAATCCTGTTC
ACCCAGGAGGTCAACATTGGANGGAATNCAGAGGAAAAAGCNCCAGGAGGGTGTACCAGG
CNTACCCCNANATNAAAAGGGGTTTGGNCAAATTTGGATGTGCAAACAANTCAACCCCAC
CATGACNTGAAGGAGGCCACCGTNTGAACACAGGGCCTGGAACAATGGGTGTAATGAGTT
ACTGCCACGTCAAAAAAATTGGTTGCTCCTGTTGATATGGTTTGACTGTGTCCCCCCCAA
ATCTNATCTTGAATTGNCCT
Sequence 388
NATTGGAGCTCCCCCGCGGTGGGCGGCCGCCCGGGCAGGTACACTTGTGAATGTTATGGA
GCTGTTGATAATGACGGAGAAGTGGCCCCACTACAATTACATCAGGGCCATGGCTTTTGG
AATATCGGAAGTCACAGAACTGACAATTATAGCTCGTCCATATTATCCTCGGCTCCCTTG
CTGGAGAAGTCCTTCTTTTTAGCCCCACTCGAGCTCTTGTCTGTCTTGGTCATTGTCTCT
CCTTCTGAACTTTTGGCTAGATCATTCTGATTAATGACAGAGCCCCTGGAAAGCTTATCA
TTTAACTCTGGATTAAGGCCGCCTGACTGCACTGCTCCGTGCTGCTTGCCATAATGTTCT
AGCAGTTTAAGTGAGCTAGATGACTCACAGCTGAAACTACAAAATTTACACCAGTAGTAA
CTGGTGGCCTCTGTACCT
Sequence 389
CCGCGGTGGCGGCCGAGGTACAAAATACTTTCATCAAGAACCAAACGTTTTATTTCCTAT
TTAGCTGAAGAATTAATACTTTTACAGAAGCAATGAGTGAGCACAAAAAGCTTATTTTCC
CATTCTCCATGTTCTCTCCTGAAACAATGATCCAAGTGTATTTAGAACAAAGAATCCTAC
CTTCAAATGAGTGTAGACCCTCTACAGGGGTATCTACCACGTTCCTTCATGTCCCCAAAA
TAGCTCATAGACCTTGCTAGAAGAGAGTGATGTGATTTTCCTTACCTACCACCAAAATGA
AAGAGAGAGAGACAGAGAGAGAAAAAAAAAAAAAACCCTCCNNANCAAAAAAACCCCCNTAA
ATCCCCNTTNGGTGGNGGGCCCCCNCCCCCNCNTAANTAAANCGGGNNCNNNGGGGCCCC
CAANCNGANCNGNNGTNNAAACCNNANTTCAGTTNTTGGNGGGCAAATTCAAAAGGGNA
GTTTTTTTTTTNAAAATNTCATTTCAATAANANAAAAAAACGGTTCNNTACGGTCCCAAACA
NAACCNTGGGGGAAAAGNGGTTTTTCCAAAAGGCTTCCTCCCCAAAANTNCTGCCAAACCTG
GGGCGGGAAAAAGGGAANCTNGGANAGNGAAAANCCNGAAATACTTTTTGACCTAATTTT
TTTTTTTTTA
Sequence 390
CCGCGGTGGCGGCCGAGGTACCAAAAGAATTCTGTGTTTTAAAACACCATCCAAAAGCAC
AGCCCAGTGGTGGGCCACCTCCCCACCCTGAAGTTCTGCGTTACATATAACCTTTCAGGC
ACAAACAAGAAGGGTGTGGGATAGGGTGGAGGAGGCTAGAGATTTGTCTGCAAGGGCTTT
ACCATCCACTAAAAGCTGTGTGCAGGACAGAAGCATCTTTCTCTCCTCACTTTTTGCACG
TGTTGAGTATCATTTTGCTGTGTGCCCAGTGGATGTAGCGAGGATGCAGAATCTCCAAGC
AGCTTAGAGTCAAGAAGGCTGCTTGTCTTCCTTTCTGATTCTTCATGTAGTTCTTCCTGT

Table 2

GTTTCTTAGCATTCTCAAGTCATCTTTGGATTTTACTCTGCTGTTTATTCCCATATATGC
AGANTCAGATTACCAGAAGTCTTGNAAGACTCTTTTCAGAATATGAAAAGACCTTTNGGT
AGCAAAAGAAGTGAATTCTCTAAGGGCCGAGGTTGATGTTTTGGAGANTAGTCACCTTNT
AAAAATGAGGATGGGCCTTTTGNGGACCACNATGAAAGGGGTCCTTTAANCTTACCAAAA
TCCAGAACTTTAATAGGGTGGAAAGGCTTACCATTNTCTNGAAAGGTAGACNTTTCCTTT
AATACCAATTNATTTTTTTTTCAGAACTNTTATTACTTTTAAATTGA
Sequence 391
CCGGGCAGGTACGCGGGTAGGGATGCAGAACTGGCCACAGTCAGGGCTGGCCAACAAGGG
ATGGGATGGCAAGGGAACCAGTGGGAGACTGTTTACACCTTTGACTTCCTCTTCACAGGT
CAAGGCAGGACTGTAGCATTAGGTCTCAGAGATGCAATGAACAGGACAAATACACTTCCC
CTTCATCTGGACCTGAGGCTCTGGGCAAGTCAGTACCT
Sequence 392
AGGTACTGGGGGTCAAGACTTCAGCATTCTTTTGCGGGGGACCACAATCAGTGACACCCT
GACTCGCAAGCCTCAATCACCTGTTCCAGTGAGAAACAGGACTGAGATCAGAAGGAATGA
GGCAGAGCTGCCCTCGATTGGTTCTCCTCTCCTCCTCACCTGCCCG
Sequence 393
CGAGGTACATTTTACTTGCTTGATCTCTGATTCCCCTCACTGGGTCACCCGCACCTCTGA
GTGCCCTCCTCACCCTGCATGAGCCTTGACACCAGGCCCTGAGCCTTTCCTCTGTGTGGT
TGTCCTCACAGTCCTCTGTGTGGGATCCAGAACTAGGCACCAAGCTCCCCACGTAGGAGG
GTGCCCTCCCCATTCCCTCTGCTGAGGCTCGAACCAGCATGTCAGGCTGCTCCCCCATGT
GGACACCTGACTCTCTTTGGGCTCTTACTCTACACTGGCTGTACCTGCCCG
Sequence 394
TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCTCACAATTTAAAAAAACGG
GGAAAAATAGACATCTGACAAAAATAAAAATAAAAGACCAAGAACACATGAGCTGGAATG
ATTAATATGTTAAACCATGTGCCAAACTCAATGGTGAATGTGAATGTGTATTTTAATCCC
CTGAGCTAGCCAGAATAAGAAAACTTTTCTAAACACATGGACAACTTCTATTTTAAAAGA
TTCAGGGGAAGTCTAAAAAAGATATGAAAGTTTAAAAGATATAATTTTTTTTTTAAAAAAA
TCAATAGAATCATCATAGTTGATCAGAGTAGGCATCTGACCCTTAGAGAAAAAAAACAAA
ACAAAAATGTCAACTCTAGAGTTGGAGTAAGCCCTGACAGTCCCCTTCCTGTATTTAGGT
ANATAAACCACTATCCCCACGCCATGAATGAAGCAGAAGCGCTCANAGTGGACTGCACCA
TCCAAGACTGGGAGACACTGGGTNGAACAGCGAGAAA
Sequence 395
CCGCGGTGGCGGCCCGCCCGGGCAGGTACATAAATCAGGGGTCTTGAGACCATCTTTCTT
CCCCTGGACTGAAGGAACTCAAAGCTATTTTCTCCTGGGATTCACAGGAACAAGCTCTGA
ACAGTTGGGTGCCATTGTGGTCTGTAGACTTTTACAGAAAAAGCTCTACCAGACTGTTGC
CTTGAAACTGTTAATCTGTTTGTCATTAGTCATTCCACCTGGCTGGTGGTTTTAAAACAC
TAAATAGTCGTTGGAAAGTTAGGTAGATTTCATTAAAGCAAGACTTGAAAAATAGTTGCT
TCAGGATCCCCAGGAGGCTTTTGCACTTGGGGTTGGGGTGAGGAATGGATATTCATAAGT
TCAGTGTTGATATTCTGCTGCTTTTGGGGAGGGGTAGGGAGAGAGAGGGAGCATTAAGCT
CTCCAGACTCCTGGTGTTTGGGCAGGTCTAGGTCTGGTTTGGGCAGTTGGTTGTAATCTG
AGTGCCTGGACTTGCCCGGTAAGTTTTGCTGANAGAGAANCCAAATGTTCCTTANACTGG
AAGANGAAAAGCTGCGTTTCAGGGTCAATTTCATAGGTGCATTTGNTGNTTCTNATCGCT
ATGGGTTAAAAA
Sequence 396
AGGTACGCGGGACTAATTTTTTTTTTTTCTTCTACTTAGAATAAAATTCATGTAGTGCAGTA
TCCAGAGCACATTAACTGAAGTATTTGGAGACTAGATTTAATCTCAGATCTCACCCTTGG
TAAAATCATTAAGCTTCTGAGCATCAGAGTCTCAAACTTTTCATGAGAGGGGTAAGTGTA
GTTTTCAAAGGACAGAAGGAGGAAGACTACAGTTTCTTGAGCTTCTCCGATGTCGTAGGT
ACCTGCCCG

Table 2

Sequence 397
CGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTGTAGAGACGGGGTTTCACCATCTTGG
CCAGACTGGTCTTGAACTCTTGACCTCGTGATCCACCCTCCTCGGCCTCCCAAAGTGCTG
GGATTACAGGCGTGAGCCACATAACAGCAGTTCTCACCAAGCATCTGACAGCCGAAAAAC
TGAAAGCATTAGAGAATGCTACAGGACAGGCTTTGGCTTAGTAGTGAGTTCTGAGTTCAA
GCTGAGGCTCTGCACTTATTAGCTAGAACTTTGCTTAATCTCTCACAGGTCTCCTCTAAA
TGATTAAATGGCGTAACGGAGGTAAGCGGATTAGCACAATTCCCGGCAAACAGTAAGCAC
TCAATTGTTACTACTGAATTGCCAGTTCACAGGCACAACCAAC

. Sequence 398
CCGCGGTGGCGGCCGCCCGGGCAGGTACCAGGCTAGCCTTCCTGATGACTGCAGCAGCAA
GGCTGCCCATGGGCCACCCCAGACAGCCTGCTTAGAATCTCTAGAAGAGCTGCTTGATGT
AAGACATTAAGACATTCTTAAACGAAGCCAGTCTTCAAGGACTAGAATAAATCCTTAATT
CTTCCAATACATAGACATTAACGTAAAGCAACAAGAAACAAGGAAAGTCAAATAGACATA
GCACTCCCCAAAGCATATAATAATCTCTAAGTTGATCCAAAGATACAAACTGCCTGACAA
ATAATTCAAAATAACTCATTAAAAAATGCTCACTAAACTTCCATAGGATACAGGGAAACA
ATTCAATGGAATCAGGAAAACAATAAATTACCAAAAAGAGATATTTACCAAATTACCAAA
ATTACCAAATTACAAAATTACCAAAAGAGATATTTAACAGACAGATTGAAATTTTAAAAC
AAACAAACAACAACAACAACAACAAAAATCAAACAGAATTTCTGGGGCAGAAAATTAGAG
TGGAACGAAATAAAAAACCACCAGAAGAAAATATCAGTAACAGAATTTGATCAAGTAGNA
AAAAAGGATTTATTCATGAATTTGGAAGACAGTTATTTGAAAAATTTNCCGTCCGGAAG

Sequence 399
CGCCCGGGCAGGTACTAAAAATATAGCAATGTGGGTGGGCTCCAAGGACTGTTCCTTCAG
ACCTCAAATCCACATGCTTATAGAAGACCACATAGGTCAGAGCAAACTCTCTACACCTGT
CTTTGTCAACTGTCACCCAGTTGAAGATCTCTGAAGCTGCATGCCGATTTAGGCCAACAA
TCAGACTATGTAGCATTTACATTTACATTTGTCTGTGTGTGATAACATGAAGCCAGAAGG
AAGGAAAATTTGTGGCTGCTGGTTTCCCTGACAAGCAGTTTGAAGGTCAAAAGAAACCAA
CCCTGGAGGAACTCGAGTTATGACAGAGCAATGTTAAGTGTAGACCTAGGAGGGAAGCCT
ATAGGGCTAGG

Sequence 400
AGCGGGTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTCATGTCCAGGAGCAGCCCCAC
GCCCTGTATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAG
AAGGAATGTCAAAATGTCATGTTCAATTTTACATTCAGTGCCTGGAATCTTTTCTTCACA
ATTGAAATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGA
AATACTACATAAGAAGCANGACCACANACTCAAGACGGACATAATTGGATTTTTTTTTGCC
CTGGCCTGNAAAGAAAGGTACCTTGCCCG

Sequence 401
CGCGGTGGCGGCCCGCCCGGGCAGGTACTGTTGATGAGCACTCCCTACCCACACTCCTTT
GCTGCTCTCCCTCTCTCCTCCACTCTCCTGGCACTGACATGGGCTAGTCTGCTCTCTCTC
ATTGGCACAGCAAATCTATTTGATTCGTGCCACCACCTCTTTTACCTCATTCTTTCAGT
GGCAGGCAGATACCT

Sequence 402
CCGCGGTGGCGGCCGCCCGGGCAGGTACAGGCAACTGAGAATCAGAATCCACCCATGGTA
ACAGCAAAGCAGCAACATCTAAACGTCGCTGCTAACGTTTACCTCTGATGAAGTTGTCA
AAGTCATCCTGCCAGAAACCCCAAAAGTTTGAATTACTAATGTGGCGTAACTCACACATG
AAGCAAAATGGGAGAAAATATCAGTTATTTGAGCATGGAAACTGCTGTATTTGTATATAC
TCAGCTCAACCAATGCTTTCTGATAATCAGAGGAGGTGAGAAGTAACTTAGAGAAGCACA
AGTTCAAGCCAACACACTGAACCTTTATCACACCTGCCAGAAAGCATTAGGTAGATACAT
GTAAGGGTGACTGTGGAGCTCATGGACAGGAACTCCTCAATCTGCGGAAACCCATCAAGA
CGAGAGAAAGACCACAGACGTATTTGAGGGTTGGGAAAATCCAAGAGGAAAGCCACCGGA

Table 2

CAGAAGAAAAGAAGAAATGGAAATAAAAGTTTCTGGATTTCCTGGTGCTGTTCAAGTTCA
TTAAAATGGACTGGGTCTCATCGGNCTTTTATTTTTTAAAAGG
Sequence 403
CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGATATATTCAAGGTATACCGATGTGATG
CTAGGTGGGGATGTAGGGTTTGGGAGAGAGGAGACAGCATTGCTTAGATCAGTCACGTTC
AGAGACCTCTTTACATAATCTTTACTTCCATCACAGGTGCAGATAGGTGGCTTCAGTTCA
TATCTCTTCAGGAATACACACACAAACTGGTGGAGAAGAGCAAAGGCATGCTGAGCTGGA
GCCCAGAGCAAGGCCAGACTCACTGTCCAGCTCTTTTCTCCTTTACTCAGAGAGGTCTAA
·GAGAGGTGTGGCTCTTTCATGATTGGGCAGAATGATAAATGTTCAGATGCCATGGACTTT
CAGTATGGTTCACAAAGAGTGGAAACCACAAATGATAATCTGTGAATTCCAAGCTACTGT
ATTATATGGATATATGAATATAGTTTATGAATATATATTAAACAAAAATAGGGATCATAC
AATGATGATGTTTTACAGCTTGCTCTTTCTCAATTAACAGTATCTTTCCATGTCAGCACA
TACAGACCTAACTTTTTTTTTTAAGTATTCCATTATATAGATATTCCACAACCTTCTAAAC
TATGCAGNTNACCTGTGAACAACCTGGATTTGNACTGCATGGGGTCCACTTTACACATTG
GNTTTTTAAAAATAAATATATTTGGAAAAT   ⁻
Sequence 404
AGCTCCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACACGGGGGGGCTGTTGCCATGGATAC
GCTTTGTGTAGCGGCTATGGGCGCTGTCTTACAACAAAGCCAAGGAATCTCGCTGCTGAG
GGCAGTTCTGTGCTTTATTATGAAGAATAATGGACGATGATGATGCAAAGCTCAAAGCAG
AAATAGAAGCTGAATTGGATAAACTCANCATTTCCTCCTTGGAAAAAGAAGACAATGAGA
GTGATGCAAAATCAGAAACCCAGAGTGATGATAGTGATACAGATTCAGTTGAATTACCAG
AATCAGTTCTTCACTGTATTAACATCATAAAGAACGGGAGTAAAGCTGTTGAAGAGCTCA
TTCTTCAGGACCTGGAAGATCTGATATTTTAAAG
Sequence 405
TATACGACTCACTATAGGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACAAGG
TCTGAGGAGAAGGTTGAGGTCTCCCCAAGACTTCTCTAGAACACTTGGTGAGAGGCGCCA
TGAGGACAGGTGATGCTTGGGCTTATAGCTCTGACTCANGACATCACTGCTCAACAGCCT
GAAGCCCACATCCAAAGCTCATGTCATGCTGGCAATTGAAGGGGTAGCAGAGCCCAAAAG
TCCAGAGGGGCTCATCACAGGGAGCAGATGTCTGTNAGCAGGAGAGACAGCGGCTGTAGG
GATCGATGAGACTTGGTAAGCATGATGTGCTCTTGTCAGCATAGCATCTTTGAGCTCACA
CAATAATTGATGTATAATTGTCCATTTCAGTAAGGAGTTTCCACATCCACTATCTTCCAC
·GATTCTCACAAGGGCCTTGAGTAAATATTACCTGCATGTTATGGGTGAGAAAGGGGTAGT
TTAAAAAGCTGAAAGGATTTGGTGAANGCCACATAATGAGTTAACCTGAAATCAAGGCCA
GACCCCCAGG
Sequence 406 ·
CCGCGGTGGCGGCCGAGGTACAGATCAATAAGCAATCTGCACTACTTCGCAGAGCATTGC
GTATTTATGAGCATGGTGAGGAGGTTATATAGGATTTGGGAAGGAGGGACTCCAAACCAC
AAAGGTAAATGGTTGGGCCTGCACTGACATTAAGCTTGCTGTGGTTTTTCTGCTGATGGG
ACCCATGAATGTAGTTTTCCTCCTTTGGTGGTTTTAATGCTGAATGTGTAAAACCCTAGG
CAGATTGTGTAACATCCCCCAGGCCCAGCTGCTGGTCCTGCCCATTAAAGGGGAACTTCA
AGGCCCGATTCCTTGGCTGGCAGCTGCACTGTGGAGGGCATCCCAGGAGAAGTTGTTGGG
AAAGGGTGGTGTTGCTTTGTAAGTCGGTTCAAGTTTTTGTAAAGCAAGTCAGGAAGCCCC
AGTGACCTTTTTTGAGCTTATACTGGAGCAATTCCAGTTCCTTTTTTTTCTTCCAACTTAC
CTGTGAAAGGC
Sequence 407
CCCGGGCAGGTACATGTTATCTGCCCTTGGCTGTATGNAAAAGCTCAANTTANCAAACAA
GGAGAGAGATAAAAAGGAGTAAAATATTTTGTTTGGATAAAGCTCTGTCACTGAATGTCT
TTGAACCCAAAGAAGACACCAGAAAGTCTCCAAACCTCTAATTCATCTGTAAACTGGGAA
CTCATACTAAGTCATGCTGACTGTAGGAATAAAAAGATGAAGAGGAAGGGGGGGGCTCACT

Table 2

AGCAATATCAGGCACTACCCAGAATTAGTGCCAGTTGATCCCTGGTCAGGGTGCATAGGC
TTGGAGAAGAGTAAATTTGCAGGGCATAATGGACCATGCTCTGAGATGCAATTTTCTTAA
ACTTAATTGGCTCTGGATGAGTGCATTCCAATGTGACGGAGGAGGTATTTGCTTCCTGGG
AAGGTTTTCTTTCACAACAGGCAAGAAAAATTGCTCTTTAAAATATACCTCTTCGGGGTT
GAAAAGACAAAATCCTCATGGCTTAAAATTCTAAATGGGCTAGCCATCATCAAAAGTACC
T

Sequence 408

TCCGGCGAATTGGATTTTTACCNGCGGTGNCCGGCCGCCGGGCAGGTACAAATCNTNATG
.CATATTTGACACATTTTTTGGCTTTTNTNTTGGGGACCAGCAGACCACCCCGCAGATACA
·ATGCACGGAATCTAGCAAACAATAAAGAGCAGTGTGCTCGCGTGGCAGATCGTTCGCTTC
CTTCCTTTTTCGCCTTCATTTTTGGGAAGTCCTTGCCTCGTTAGTTCCATAGGCCATGAG
ACATAGCAATATAAAATGCCAGAGGATGTTCAAATGGGCGTGTGGAGGAAGAGGGAAAGC
AGGAATTCTGGGCCAAAGAGCAGATGGCCAGCCAGTGACCTANGAAGGGAAGCTCANGCT
TTTAAACAATGGCA

Sequence 409

CGCGGTGGCGGCCCGACGTACATGTGACGACGTCCAGGATAGTTTTGAAATGAGAAATGA
GAGCAGCATTTCCTTGGTGTCGTGAAAATATATTATACATTTATTAAATATTGAAGAAGT
GTGGGCTGGGCGTGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAAGCTGAGGCTGGT
GGATCACCTGAGGTCAGGAGTTCNAGACCAGCCTGGCCAACATAGTGAAACCCCATCTCT
ACTAAAAATACAAAATTAGCCGGGTGTGGTGGTGCATGCCTGTAATCCCAGCTACTCGGG
AGGCTGAGGCANGAGAACCGCTTGAACCCANGANGCAGAAGTTGCAGTGAGCCAAGATCG
CGCCATTGCACTCCANGCTTGGGCAAA

Sequence 410

AGGGCGAATTGGAGTTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAAGCTCAGGATTCT
CCGAATGAAGTTAAGGTCCCTTGCCCATCCGGAGAGGCCTCAGCTGTGTCGGTATGATCT
TGTCCTGATGGAAAACGTTGAAACAGTCTTCCAACCTATTCTTTGCCCAGAGTTGCAGTT
GTAACTGTTGCCAGGACACATGGCCATAAATAATAGAAAGAAAGCTACAACCACAGGCTG
TTTGAAAGCTTCACCTCACCTTTCTGCAAGGCAGAAAAAGTATGAAAAAAAACCAAGGCTT
TTTTCAGTAGCGTCCTATGGATGTCACATTGTACCT

Sequence 411

CCTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGAACTTAAACACCACT
ATTTGTTGAGATGAAAAAAAGCATATATAGGAAGCCTTCAGAATGAAATGGTCAAGGGTG
AGTTTACACAGATAGATAGATTTAGGTCTCTTCCTTTTGCTTTGTGAAAGCATCTAGTGT
TTTAGGTGTCAGAGAGGGAGATATCCTTACAAAGCAGAGATTATCATTACAGGTTTACAT
TTCTTACAAAGAGTTTCAAAATAAACAGGTAAATGCCAAAAACGTATATTTTGGAGACGG
ATTAATTCACTAGTTGGTCTATTCAACTTAACTTGTTTCCTAATGAGATTAAATTCATGC
ACAAATAACCAAACCAAAAATTAAACCAAAAGAATACTCACCAGAAAGGATGTCCTTTAC
AAGAGCAGATCCCCCAAAATGTAAGAGTTCACTGAAAAGGTGGGAGCTCAAACCAAGAGA
GGACTTATCTCGCAGCATAAAGACAACTTGTACCT

Sequence 412

GGTGGCGGCCCGCCCGGGCAGGTTCCAGTTGAGAAGCTGAATGTTGGTGTTGTGNTTNTG
ATAAACTCCCAACATGAAAACTGAGGACCACCAGCGTTTTCAGCTCACCTTTGACTCACG
CTGGCAGCTCCAGGAACACTGAACAGGAGTCCCCACTGAACCTTTGCTGCGTTCCGAAGC
AGCACAGCCATGGTTAGGCACTGCCAGGCAGCTCTTGGAAACCACAGGGAGGGAAGTTTT
GGTTCCTTCTTTCTGTCTTTGTTTTTGAGAGGAATGAGCTTGGAATAAAAGAACGCTAGT
AATGACTGATTTGCAGGTTAGGTGTAAACATTAAATCCTCATAACANGCTAATGAGAGGN
GGGAGAAATTATCCCCATTTTACAGATGAAGGAACAGAGGCTCCTAGAGACTAAAGAACT
TGCTACTCAATGAGGTCAGGATTCACACCTAGGGTGACCTGAGGATAGCTGCTGCAANTG
CTCACCCTTTCTACCTTCCCAAGAAACAATACGCAAGAGAATTTCTTTCTAAATATTGNG

Table 2

TGCCTAGAANGTGCTTTGGGGNTATCGAAACAGATATATATGTGTATATCTGGGCTCTTT
AAAAATCTCTTTAATAAAAACAAAAAAGTGATGCTAGTGGTAAAATAAAAAAAAATNTTTT
NNAAAAANTGGGGGGNCCTCGANAANTCTTCTTTNCGGAAAGATATTATGCATATATGCNC
GATTAGTTTTGG
Sequence 413
CGGGGTGGCGGCCCGCCCGGGCAGGTACTAAGTTGAAGTAAAGCTCACCCTTTACTTCCC
TACTTGAAAGTTCTACTCTGAGCCTTGACTCTTAGCCACAGTGAGGCATGTTGAAGGTTC
CTGCTGGTTTATTCTTTTTTTTTTTTTTTTTTAGACAGAGTCTCACTCTGTTGCCCAGGCTG
GAGTGCAGTGGCACGATCTCGGTTCACTGCAAGCTCCGCCTCCCGGGTTCATGCCATTCT
CCTGCCTCAGNCTCCCAAGTGGCTGGGACTGCAGGCACCCGCCACCACGCCTGGCTAATT
TTTTGTATTTNTAGTAGAGACAGGATTTCACCATGTTAGCCACGATGGTCTCGATCTCCT
GACCTCGTGATCCGCCAGCCGTGGCCTNCCAAAGTGCTGGGACTACACGTGTGAGCCACC
ACTTCCAGCCAATCCCCGCGTACCTNGGGCGCTCTAGAACTAGTG
Sequence 414
TGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGACTAGCCTTCATCTAGTTCAGGACTCCT
ACCATACCCACACCTTTTTACCTACTTTCTAGTCACAAAATAACTTTTCATCATTCTGAG
CACACCACGTCCTTCCATGACTCCTTGCCTCTGATGNCATTCTGAGGCAGGGCTGAAATG
AGAGACACCANAGTGAGACCTTGCTTTAATTTATTTTGATGCCAAAGCTACCAAATTCTA
TTCTAAGAGAAGATCAGGCATGTNACAGTGTTTTTAAATTGCCGGCAGCAACCCATTAGT
GGATCATGGCCATCATTTAAAAACGCTAATCTGAAGAATATCANCACATATCACACAGAG
TGAGGTCATTACTGCTTTATGAAACTTCTGTTACATGAACATATATGTGATGAAAAAAA
Sequence 415
GCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGAATCTCTTAAACCGTAAGAGAATCTCTT
AAACCAAAGGCTGCAGTGAGCTATATGGTGCCATTGTATTCCAACCTGAGTGACAGAGTG
AGATCCTGTCTCTGAAAAAATTTTTTAAATTAAAAAAGCCAAAGGACATGAAACACACCA
TTATCCAAATGTATTACCCAAATATCTTCAAATGCTAAGAAGTAATTTTTGGATTAAAGG
TCTCTTCGGAGTCTACATGCCTACACTCTCCTTCCATTAGTGTGAATAATCAAAAACTAA
CCGGATTTCAAGTGGAACATTTAAACTGACATCTTCTGATGTTATTTCATCCAAATTACT
TTGAGATAAAGAAATGTTGCAGACAATTGTACCT
Sequence 416
GGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTCACAGCTGCATCACACTGAATAT
CATCTCCCTGCACTGCCATTTCATTTGAGCAGGGCTTTGCCTGTCAAGAACATTCATATC
TTTTGATAAACAGTGCATTTTTTTCCCTGATAGTCTGTATGGGACAGCCTCCTTGTTTGCA
TCTGAAGGACAGGGACTTCAGGACCTCCTGCTGTGGTCACCAAGGAATCACATTCAAACT
TCTCAGCAAGGTGTTATGGTCCTTCTCAGTTTGCCTACGATCCATTGAGGCAAAGGTTTC
CTTCTCTCAATACACCCTCTGCTTTANCCAGGGGGACCTCCCACTGNCCTCTCTATGTGT
NCTATTTGTTCCTGACTGTTAGTACCT
Sequence 417
GCGAATTGGAGCTCCCCGCGGTGGCGGCCGANGTGNACGGATCACAAGGTCAGGANATGG
AGACCATCCTGGCTAACGTGGTNAAACCCCATCTCTACTAAATACAAAANAGTACCCGGG
NGTGACAGCATGTGCCTGTACTCCCAANTACTCANGATGCTGANGCAGGACAATGGGGNG
AACCCGGGAAGCAGANCTTGCANTGAGCAAGAGATNGTGCCCCTGCACTCCAGCCTGGGC
GAACAGAGCGAGACTATGCCTCAAAACAAAACAAAAACACTANAGGGCAATTTTGCATGC
AAATTATGCTAAGGCATAATTTTTAGTATTATCTTAGTATTTCTNAANNATGTAGTCNTC
TATGGATTTACTGAACAAATTTGCCATATCTGCT
Sequence 418
AGGTACATTTCACGGAGGTGGGACCAAAAGAGGAAAGAACAAAATCCCCTAAGTGCCAGC
ATGTTGGGAATGCATCATTGCAATAAAATTGTGAAACTAATACTGGCAGGCAAACAACAA
AAAACAACAACTGCCACAAACTGCAATATGCTTATCAGGGGTCTTGACCAAAAAAGAAAG

Table 2

GCCCCCGATCTTCCACAGAGGACACTGGCACCAGTCCCAGGTCCTGCAACTCTTGAATAG
CTCCATGTGCCGTGTTCTCTTCAGGTACCTTGCCCG

Sequence 419
GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACACGGTAACCACATTTAGATGG
ACTGGGATGTTGCCACACATACAAGCATTGATAACTGGCTTCTCATTACCTGAATACATT
CTTCTGTCAGAGCAACAGACTCAGCTATGCTTCTGGCAAAATTGTTCTTAATTCTCTATT
GATTAATTTATTCGGGTAAGTATTTTATTGGGGTATTTTCTGTCTGAAAAGTGCGATTCC
AGGTGCTTTATGTGTCTCTGTGTGTGGGTGTTATATAAATACTTATAATACTGTATCCAT
ACTCTTGAAAAGCTTAAGTTGGGAAGGCAAGGCATGCAATAAGGAACACAGAATTTTAGT
CATTCCACAACCATCTGTTTGAATGGCTGCTATTGTTAGTATCCGGTGGTTGGAAACTGA
GAAGCAAAAGATGACTATAATAGGGATCTCTTTTCTG

Sequence 420
ATAACCCACCCCAGTGAAAAACTCCAGCCCAGTGAACTGGAGGGTGTTCTTTTTGGCCAC
GGTAAACTGAGGGATTATGATGAAGCTGAAGTTCAGGATGAATGAGAAAATGTTGAACTT
CAAAAGCCATCTCAGAAAGTTGAAATTAGGAGAGGACGCTGGTTCCAAACTTGCCTCCAA
TGATCTTCAGCGTCNTTCTNGCCACAGGCTTGATGGAATTCAGAATTTCCCGACAGGCTG
TTCTTGGATCTCCGATAAGCCCGGGAAATGGANTTCAAACACTGAANTACAANCAAATTG
AGCNTGAAGGATACGATGGGTGTGATTTGCTTTTTTTCTTTGGCAACTATTTNCCTAAGGT
TTCCTTTTCTCTTCCATGG

Sequence 421
CCGCGGTGGCGGCCGCCCGGGCAGGTACCCAAGCTTCACAGCCCTGTCTCTGCCATGGAG
AGCAGGCCCACGCACTGCTGCCTGCTGGAGCAACCGTGCTGGTCACAGGGCCAGAGGCAG
AGAGCCCTAACAAGCAGTCAGGGCGCTAATGAGGAAGGGGGGGGGACAACCTGTCCTCTAC
AGAAAAATAATGAAGATTAATATGTTCAACAACTCCCATCCAGAATCCAGCAGGAAGTTA
AACCAAACGACACATGATTCTCTGACGAAGAAATAAGAATACGGTTGACTGGTTTTTTTAT
ATTTATTTACCTGAAAGCTTCTAATGTTTCTAACTAGTGACATATTTCAGGCCAGGAATT
CTGTTTGCCTAGAATCATGATGTCTAAACACTGCACACTTGACCAACTTTGGATCCAAAT
AACTAGCTTTGGTATGCTCTTG

Sequence 422
CCGGGCAGGTACTGGTGACTCACCATTCTGCCAGCAGCCACTTTGCACTGGGCACCAGCA
CATACCAGCCCCCATCAGGAAATGTGCACAGTCCATCTCATCTTGTTTCATCTTCATTTT
ATTAATGAGGAACTGAGAGTCCAAGAAGGTTCAATCATTTGCTCAAGGGACAAAGAAGTG
CATATCAACTCAAGATCTGAGCGACTCCAAAGCCCAAGCTCTGTGCCCCCGATAACACTA
AAGGGCTCTGGAACCTTCCCTCACTGTGCCAAATTCTGGTCGCCACACTTTAGGAAAGGT
ACCT

Sequence 423
AGGTACCGCGGGACTAATTTTTTTTTTTCTTCTACTTAGAATAAAATTCATGTAGTGCAGTA
TCCAGAGCACATTAACTGAAGTATTTGGAGACTAGATTTAATCTCAGATCTCACCCTTGG
TAAAATCATTAANCTTCTGAGCATCANTAGTCTCAAAACTTTTTCATTGAAGAAGGGGGT
AAAGTTGGTANNTTTTTTCCAAAGGGAACAGNAAAAGGGGAGNGGAAAANTACCTTACCA
GNTTTCTTCCNTTTGNAAGGCCTTTTCTTNCCNGAAATTGTTCANTTAAGGGNTAACCCC
TTNGNCNCCCGGGGGGNCAGGGGCTNCGNNTTCCTTAAGNAAAACNTANGGGTTGGGGATT
CNCNNCCCCTNGGGGGNCCTTNGANAATGGGGANAATTTCCTGNAATTAATTTCCAAAAAG
GCNTTTTTAATTCCGGAATTAACCCCCGG

Sequence 424
AGCGGGTAAAGTGGACTGGGGAGAACTTCNGAGGATGTTCATGTCCAGGAGCAGCCCCAC
GCCCTGTATGGNCGGTGTCTAGAGCCTNACANCAACTAAAGACCAACCCANCTCTCATAA
GAAAGGAATGTCAAANTGTCATGTTCAATTTTTTACATTTCAGTAGCCTGGGAATCTTTTT
CTTCACAAATTTGAAAATGAAACTGTGCTTGAAANGGAGGTNAATTNCATTGCATTAATC

Table 2

TTTNAGCTCACAAAG

Sequence 425

AGGTACCACAGGACACGCCCAGGATGTTGGGTTCCTGGTGCTGACCACAGTGCTATGGTC
ACTCCACAGTCCAGCACTGCAGTGCACAAAGGGTGCCCTTTGACAAAAATGCTGCAGCAA
GAGTNTGACCAACTTGAAAAGCANCAAANATCAGCAAGATAAAAGATTCCTGAGAAGTNCT
AAGTAGCCCTCTACGAAGATACAAAACATGCACAC

Sequence 426

AGGTACCATAATTCATATATCCTGTTTTTATTTGTATAGGAACCTAGGAGAAAGAGAAGG
·AAAATTGAAAATAAATTAAGTCAAATGCAATACTTGTGCTAAAAATGTTGTCAAAAGTTG
AGGCCANCTTCTAGGCAAAATGTTCGGTAGGCANGANTTTGCCTTTTCAGTCTTNTTTTC
TCAATTTANCCAAAAAGTTTT

Sequence 427

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTGTGGGCAAAATGAAATCTGAGTGGACCAA
TGACCTCACCATGTCCAGTGTTTGGTTGCTAGTTTGAGATTTGGAAATGGCTGTTCAGGT
GAAGAGGTAAATGGATCCAAATGCCTTGTTATAAGGCATTTGACAATGCTTACAGCAAGT
ANNTGTGAATAGAGGGCCATTAAATTCTANCCATAAACATTTCCCGGGGCTACTGGTTAT
TTTTTTGGTTGNAACTTACACTTTTGAGGTTTTTTCACAANGAGACAAGGNTNTACAAGGA
TACCCTACATGT

Sequence 428

CCGGGCAGGTACGCGGGGAGTGGCATCCTTTGAACTCACGGATCCAGTCATAACTGAAGT
TCCATCTACACCTGGGGTCTTCAGACCCAGGCTCTGGAAAAGATCCTGTTACTTACAAGC
AAAAGAAATTCTGCCTCTTACCCTCAGCATGTGAGTACCT

Sequence 429

CCGGGCAGGTACTAGACATCTCTCTGAGGTCATGTCACACTCACCATGCCACCCCATCAT
GTCCTTATAGATGGGACCCTCCTCTTCTGGTTAACACATCATCTGAAGATAGCCAGAGAG
CCATCTCTAAGCTGTGCAATGACAAGGAGTCATCCTTCATAGAAGACATCTGCCCCCCAA
ACAGGTCGTCTATACTTGATGGTGACTTGTTAAGAAGTTCACCCTGTGCTTTATTTCCAA
CTCAGGACACCTGGAAAAGGTAAAAGAACCACCATAGTTGTACCT

Sequence 430

CAGTNTATTTGCTNGAAAAGTGGTAGTAATGCTGAAGAGTTTCAAATTATTTGAGCCTCT
CTCTCACCTCTCTCAGTTTCCTCATCTTTGAAATGGGAATACTAATACATACCTCAGTTG
ATTATGAGGGAAAGAGTTAAATGACGTAATATGTGGAAAGGGCTTAGCCAACTGCTTAAT
AGGCATCGCTCAGTAAATGTTACCTAAGTACTCCAGCCTGGGTGACAGAGCAAAGACTCC
GCCTCAAAAAAAAAGTGCGAATCCAACCGTCTACC

Sequence 431

AGGTACTCTCTGAGCCGAGTGCAGTGGCTCACACCGGTAATCCCAGCAATTTTTGGAGGCC
GAGATGGGCAGATCACTTTTTGAAGCANGAGTTTGAGACCAGTNTGGCCAACGTGGNTAAA
NGCTGTCTNTACTAAAAAGGNNAANNAATNACNCNCNNGGGNCTGTNGCCTNAACTCNNN
TTGACACTTTNTTNANGGGNGGGTTTNNCGCACTTTGNAATCNTTTNNCGAAACNAAAAA
NNGNNAGNGGNACCATTNNANATNGCCNNCCGAANATCCCTTTGGAATGAAATNTTTCGN
GCCAACCCTNNACCCTTNTTGCCAAANTCCTAGGAATTNGGGNGAGCCCNCNAANAAGCA
GNCCCCNAANGGGGNAACCCTNTGGGAANGNAAANTGTTTNTTTGGGGAAAAAAAAAAA

Sequence 432

GCGGTGGCGGCCGAGGTACATACTGAGCTCCTCCNTCACTGGNGCANACATTCACTGCCT
GTCCTCTTACCTGTCCAGATGGGTGTTAGGGCCCCAAAGAAGATTCAGCTCAGGGCTTTG
TCTGCAGGATGTTTCTAATGTGGTAGGAGACAAATAACGCCTGACATTCAACCAAGGTGG
ACAAAGGNNNCGGGCTCAGNGGCTCACGGTTGTATTGCCAGCACTTTGGGAAGCTGTGGC
AGGTGGATCACCTGAGGTCAGGAGTTCGAGACCAGCCTGACCAACATGGTGAAACCCCGT
CTCTACGAAGAACACAAAAAAATTAGCTGGCCGTGGTGGTGCACACTTGTAATCCCAGCTA

Table 2

CTTGAGAGACTGAGGCAGGAGTTCNCTTGAACCCAGGAGGCANAGGTTGCAGTGAGCTGA
GATCGCACCGTTGTACCTGCCCG.
Sequence 433
CCGCGGTGGGCGGCCCGCCCGGGCAGGTACCGTAAGTTGAAGTCCAGGAGGGTTCCAGAC
ACAGAGCTTCTGGTGTCTTCTCCCTGTGGAGTCAGGACTCATTACTCTGCTGTCTTTGAT
GTGTGACAACAGGCACCAACTATCGCCAACTAGAGAAGCTCACCAGAGCTCTGATGTTGG
AAGTTTTTATTGGGGCCTCAGCATGTAGACATGATTGACTGGTTGGTGGATTAACTGTCT
ACATGGTTAATCTTANTGTCCAGGTCAGCTGATACTGCGTGACCAAAAGCTCCTACCCCG
AATCCCTTGAT
Sequence 434
TCCCCCGCGGTGGCGGCCGAGGTACACAGCCTGGCACGTAGCAAGTGTTGAAATATCTCT
TGGAGAGAGAGAAAAAAAATGAATCTATTAAAATGTCTCTATGATGCACTGCGGAAGCTA
GACTTGGTAGATCGAGTTTAANGGANTGAANAGGGGGTGAATGTTTGCTACTTCCGTATA
TTTGGAGTATTTGATAAAACAGAAGACCAGTTTCTCTTCAAACTTCATGTCGGNTTGTAG
GTCAGGCTGCCAGGGTTTAGGGTACCTGCCCG·
Sequence 435
GGGCAATCTACACAAGTTTGGGGTCCTTGCAATCAATCAAGACCCGAAGGGAGTAGCGGT
TTCTCAGTTTTATTACTCCTGTAAATCCTTCTTCTAGTTTATTTCTGGTCTTGCAGAAAT
ATTTTTCCTACCAGCTGCATTGGACATGGNGAAGTTTTTTTTGTAACTTTTGAAGATTTTC
AGTTTTCTGCATTAAATAATACTTTGGAGTATATACAATTTTTTTTGTTCTACATCATATA
TCCACACTGCACATAGATATTTTCTGGCAGAACAATATCCCATAAAAAATCTTAAGCTTC
TTTAGTTAGAATACCATAACCTTCATATGCTACATGGTAACATTACCCGCGTACCT
Sequence 436
GCGGCCCGGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTT
CTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGA
AGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCA
TGCTGAGTTGTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGG
GCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTAGGATCT
ACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCCACTGAAG
TTCCTTATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTCCTTGAAA
TTTGCAAGTTGTCTGGGTTCATGTCTAAGCTTGTTCCAGCTATCCAGAATGCCCACAAGA
ATTCAACTGGATCTGGAAGAAGAAAGAAACTGATGGTGTTAACTGAAC
Sequence 437
AGGTACGGTGGGGCACCCAGGTAGTAATNTGCAGGAAGTAGAATTGGCAACAAAGGACAC
AGAATGAAATGGTGAGATGGCTAGCCGGAAACATAGGGAGAATGGCATCACAAAGGCAAA
GGGGGGAAAGAATTTCAGTTTAGTGGATAGTCAACCAAGGCATTTCACTTAGCAGTCAGG
AATGAAAAAACGATACTGAATTTGAACATTANGAAAGCTTGGTAAATTTTCAAGAGTNTA
ATTTCTGCAAAGTTGGAACACAGTGAATTAAAAAAGTGCTTAAAAATTGAGGACAATTGA
AAAGTTNACCAATGTTAAAACCAAACCCAAAAAAATTTTTNAATTTTTAGGCCCCCCAAA
TTCATTNGGGGGGGTTTTTTTGGNAAGGCCCCNTTTTTTTTTTAAAA
Sequence 438
TATAGGNCGAATTGGAGCTCCACCCGCGGTGGGCGGCCCGCCCGGGCAGGTACGCGGGTA
GGGATGCAGAACTGGCCACAGTCAGGGCTGGCCAACAAGGGATGGGATGGCAAGGGAACC
AGTGGGAGACTGTTTACACCTTTGACTTCCTCTTCACAGGTCAAGGCAGGACTGTAGCAT
TAGGTCTCAGAGATGCAATGAACAGGACAAATACACTTCCCCTTCATCTGGACCTGAGGC
TCTGGGCAAGTCAGTACCT
Sequence 439
TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATTAAACCTGGGGCTAAATC
CTGTAAATAATTTCAGCCAAGAGGCGTTTTCCCCTTCTCATTCACCAAATTTCCTTTCCC

Table 2

GTTTTAGGAAGTCACAAAACGGTAAGAATTTCAGTCCCCTTCCTTGTCTGTAACTGTCAA
TCAAATTACAGAACGGAAAAATGTCAAGAGGATCCAGGAGACGGCACCAGGAAGCAGCAG
AGACCTGGGCGATCCACAAAGGAGCAGGAGAGGCCTGAGCAGGCAGGGATGGCCAGAACA
CAGCCCTGCACTCCTCTACCAGTGCACTCAGCCTGCAGCAAGCTCAGCAAAGGCACAGTA
AAAAAAGTGAGCCATGCCAATTTAAGTGTGTGCCTTCTGCGTGCAAAGCACACCAGGGGT
TACAAAAACCCTGGCGTTCTTCATGGCTAGGCAGCTCTACCTTGTTCTTCTTCCCTTCA
TCAAAAGTCAACAATATCCTCTTATGTTTTTCATATAGCTGGCTGCAAGTATATTTTTCA
AATCAAATCTCAAACTCTAAATAAAAATGAAGTTGGGTAGCCTTTGACATGTATAGAAAT
TTACAAAGGGGGAAAAAA
Sequence 440
CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGAGGGGGTAAAGTGGACTGGGGAGAAC
TTCGGAGGATGTTCATGTCCAGGAGCAGCCCCACGCCCTGTATGGTCGGTGTCTAGAGCC
TCACAGCAACTAAGGCCAACCCAGCTCTCAGAAGAAGGAATGTCAAAATGTCATGTTCAA
TTTTACATTCAGTGCCTGGAATCTTTTCTTCACAATTGAAATGAAATGTGCTGAAGGAGG
TGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATACTACATAAGAAGCAAGGAACAC
GCAAGAGATCTACAGCTCTGATCTCCAGGATAGTGAAATGAGGTGGTGAATGATAAGGGT
ATAATTTAGCCAGCTCAGTGAATAAATAATCATTGCAAATGAAGCAGTAGCACCAGACCA
CAGACTCAAGACGGACATAATTGGATTTTTTTTTGCCATGGCCTGGAAAGAAAGGTACCT
Sequence 441
AGGTACCTCCGCATCCCTTTCCTCCCCANGTGGCTNGAGTGGCTTCAAGCTCTAGCACTG
CCTAACAAACAAACAAACACCTNAGTGACTTGTGATTTCCCCCCAGAAAAATATCTATTA
ATTATTTCCCAATGGTCTCCACCTCGGCATCAGGGCACAAGGTGTAGGCACATGCTCTGA
TCTTGCACCTAGGAAACCGTCATTATCAAGGGCATCCCCTAGTCCACTGTGCTCCCCGGT
·AAGTACCTGCCCG
Sequence 442
TACTTTTAAACCAGGTGAGAAAAATTAAATTATGTATTCTAACAAAGTAATATGTGAGAT
TTTGCAAATGATTTTATAGAAATACACAAAATAACTCTTTAGCTTGCTCTGAGCATTTTT
TTCTTTTCTGATAGCAACTTTTTTAACGTTGTGGATCCACAGAACTTACTGCTTTGCTTTC
TCTTTTGGGGTCATAATTCCTCTCCCCTTGGAGTGTCCACTCCATGCATGTGCACTTAGG
ATGTGTGGCTGTGTGTGTGTTTGGGAACCCTCACGGACACATAAGGTTCTATTGTCATCA
AGTAGAAAACCTATCTCATTATCATTATAATGTCTTCAGATGCTTTCTAAGGTTCACCTC
TTTTTTAACATTAGAAGTCAGTGAATGCAGCTTTCATTATAATTTTTAATACTTTAAAAT
GTTTTTGTATTANCTGCCANAATGCTCAGCAGCAAAAGTTATGACTCACTTCTAGCAAGT
GTGGTAGTTCTTTGCTTNAAGCATTTGGGTTTCATGTAGCTTTTCTTCTTATTTTTTCTT
TGG
Sequence 443
CCGCGGTGGCGGCCGCCCGGGCAGGTACTGCCAATTAGTTGCTTAAAACTTTTTGTCATT
GTTAAAACTGTTTACATGGCTTTTTAAAATGGGGGAAAAACAATAGAAACATGCTGTGGT
GCAACGAATGAATACAGTGTGATTAACAACTTAATTTTTTTTTTTCCTGTTTCAAACATCC
ACCTATTTTTAGCATTTTGTATACCCATAGGTTAAAAATATTTACATTTTTCTTAGAAAA
GTAACCTGTTTAAGAACAAAAAAGGCCAAGCGTGGTGGCTCACATCTGTAATTCCAGTAC
CT
Sequence 444
GCGGCCCGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTGTAGAGACAGGAGTCTCCCTATGT
TGCCCAGGCTGTTCTTGAACTCCTGGGCTCAAGCAATCCTCCTGCCTTGGCCTCCCAAAG
TGCTGGGATTGCAGGCGTGAGCCACCATAATTGGAAAAAGTAACCCCTCACGCATCCATC
TTTTCTACTGTTCTTGATAGGAGTTCTGTTTCCCTAGTCAGATTCCCCCATTCCTCACAA
CAAGTCCCCCGCTTCAAAGCAGGCCTCCTTCCACTGCCCTGAGAAACCGGCAGTGGGAAC
ACGCTCTACTTCCTGCCTCAAGCCCCTAAAGCCGCCCTCCTCCCTAGCTAAGACCAGTCA

Table 2

TTCTACCTGGGCCCTAATCTACGTCCCACGTCCTGAAGGATCGCATCCAATCATCTGCTC
TCCTCCACTGTGTAGGCAAGGGTCTTCTTCCACTGGCCCTGCTGGGAGAGATCTCTCCCA
TCTGAAATGCCCTTTG
Sequence 445
CCGCGGTGGCGGCCCGAGGTACCTCTCATAAACTTTGTTCATTCAGCCACTTGAAATAAG
CCACGTGGCTTATGTGCCACGCAAAATTTCAGTAATGGGTTTTGGGAGTGTTTAGATAGC
AACAACTTCATAGACTGAACCTTTTGGTTTTTTTTTCTTTCTCTCCAACTCAGAGGTTAAA
AATTAACCTGAAAAATCAATGCTGCAATATGAATGCGCTGTATGTTTCTTGCATGGACTT
GCAGACACTCTGTAACGGTGTTTCCAGTCTCCAGCAGTTCATATTGGAAGGTGAGCTTTC
ACATGGACAAGCCCTTTGCGTTGCCAAGTAGTAGTGATATTACAAGTTTGAAAGACATTT
AGATGATAATTCCAAAGGCCCTCTTATCTCCAAATCCATCAGAAGCTACCTATAATTTCA
GTGCAATGAGTGCTGGGCATAGGTGGCCATTCAAGTGAGTGAGTACCTGCCCG
Sequence 446
CGAGGTACTCAGAGGTTTCCTGGCTCCAGCCATTGCTCTCGACCTCACAGCTACCCATTG
GGCCAAGCCACCTCCAGCTCTCACCTGACTTGCTGCAGTGGTCTCCCAAGAGGTCTCTCC
ACTCAGTCCCTGCCACCTTCAGCCTGTTCTCAGTGGAGGGGGCCAGAGTGACCCTGTTAA
AACATGAGACCTTTCACGTCCAACCTCAGCTGAGACTTCCCCATGGTTCCTATCACACTC
AGGGTCAAAGTGAGAGTCCCTAAGATGAAACACAAGTAGGGAGAATGCCCTTCTCAGCTG
GACTGGGACAGCTCCAGGGTATCCCTATTGTCCTTGTACCTGCCCG
Sequence 447
CCGGGCAGGTACGCGGGACTATAAAAAAATAACATGTTCATAGTTTTAAAATTTTAACCAG
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GTTTCTTACATATGCTTACAAAAATGTTCTTGCATATATAAATACACGTCTTTGTCTATT
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TGCAGTGATGGGATCCCAACTCACTGCAACCTCTGCCTTCCCAGTTCAAGTGATTCTCCT
GCCTCANTCTCCCGAGTGGCTTGGACTGCAGATGTGGGCCACCATGCCCTGCTAAATGGT
TTGTACCT
Sequence 448
AGGTACCTGTCTCATTCTGGCAACTTGNGACATTTCTCAATCCAAACAATATCTTTAAGG
TATTAAACCCTATGTTTTTGGCTGAAGAAACTGACCTCAGAAATGACAAGCAATGTATCT
AAAGAGCAGTAAGTAGGCCGGGTGCAGTGGCTCACGCCTGTAATCCCAGCACTTTGGAAG
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AACCCCATCTCTACTAAAAATACAAAATTAGCTAGGTGTGGTGGCAGGCACCTGCAGTCT
CAGCTACTCAGGAACCTGAAGTAGGAGAATTGCTTGAACCTGGGAGGCGGAGGTTGCAGT
GAGCTGAGATCACGCCACTGCACTCCAGTCTGGGCGACAGAGCAAGACTCTGTCTCAAAA
AAAAAACAAAAACAAAAACAAAAACAAAAACAAAAAAAAAAAACGGNAAGTAGCAAATCT
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Sequence 449
CCGCGGTGGCGGCCCGAGGTCGTAGACAAGAGGTCCTCCATCAACCTTCTCAGGTGGAAG
TCTTCTTTTAGAAGGATGTTTGTAAACCCTTTTGCATCAGGAATGACAGTCCAATTCTTT
TCTGTCAGTTCTTGTTCCAGAACAATTAGGGTGAGTCATACGGAGTAACCTTGCCATAAA
AAATGGAATTCGTATGGGAATTGTATGAAGGCCTTCTTACTGAAAGTCATTGAGATCCTT
TAGATGATGTGTTTGTGTATTCTTATGATTTAAATACATGCAGAAATGAAAGGATGCAAC
GCAGTGCTAGAAAGCAATTTCTCTCTGCGTTTCACTCAGGGTTTCCTGTAGCCACTGCTT
CTCTCCATCCATGGACATTCTCCCTCTTCTGGTGAGTCGTTCC
Sequence 450
CGCCCGGGCAGGTACATCCCACTGAGAACCACTGAGACAGATCCTGTATGGCCTTGTGGT
CATAAATATGATTTTGTTCTAAGTGTAAGGAAGAAGCCAGTAGAGAGCTATAAACAGAGG

Table 2

AAATGGCATATTGCCTATTTCTAGAAGGCCATGATCTAATTTCCTATTTTTTTTTTTTTT
TGAAATGGAGTCTTGCTCTGTGGTCCAGGCTGGANTGCAATGGTGCGATCTTGGCTNACT
GCAACCTCCACCTCCTGGGTTCAAGTGATTCNCTGTATNAAAAAAAÁAAAAAGTACCT
Sequence 451

AGGTACGCGGGGGGAATGGCTTGTGCCNTACCCNATTCTGATCGGTCACTGATGCAGGAA
ACAGGGAATGGCGTGCCTTACCCCATTCTGATCAGTCACTGATGCAGGAAACAGGGAATG
GCTTGTGCCTTACCCCATTCTGATCAGTCACTGATGCAGGTAACAGGGAATGGCGTGCCT
TACCCCATTCTGATCAGTCACTGATGCAGGTAACAGGGAATGGCGTGCCTTACCCCATTC
TGATCAGTCACTGATGCAGGTAACAGGGAATGGCGTGCCTTACCCCATTCTGATCAGTCA
CTGATGCAGGTAACGGAATGGGCGTGCCCTANGCAAGGCTTTGCTTTCAGATGAAGCAGG
GCTTAAATTTGAATGACATGAGGGCTATTTTATGCCTTCCTGGGACTCCAGATGGCGCCT
CATAGGATCTCACACAAGTGAATCATTTATATCATGGGTTCGTCATGTTTTTAGCATGTT
AACAGATATGCCAAAGTGTAATGGAGAATCAATGAAAGAAAAATAATGTATTAATGGAA
ATATTAAGAA
Sequence 452

CCGCGGTGGCGGCCGCCCGGGCAGGTACCCCAAAACCAGGGGCTGCAGCTCCAGCAATTG
GGAAGGCCAAGTTTTCTTGCACGCTCCCCAGAAAAGGGGCCAAGTCCATGGGGCTGAGCA
GTGATAGACTGCAGACCTCACCACCACTGAACCTTGTAGGATAAGGCCCACTAGCCTGGG
ATGCTAGTGAGGCCACCCTAGTCCTCCTGAGTTCTCCAGCTGGGAGCAGCTCTACACTTC
TCCGGCATGCAGCTCCCAAAGAGAGAGGCAGTCCACCTTTTTGCTGTCTCGCAACCCTCC
CTCCTGCTGCTCTCAGGCTTGGGAGGGTGCACAGCAATTAGGGACTATCACAGAACCCCA
GCACAGTGCATCTGGTGAACTTAAAAAAATCAACAAGTGAAAAACAAACAATCCCATTTA
AACGTACCAGCAGAGGTTCAGCTTTCCAGGAATCTCATCATGATCCATACTACTGACACA
GACCTTTGTCACCTGAAGCATTCTTAAAATAAGGAGACTGACATTAAACAGGA
Sequence 453

GCCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTGCACCTCCAAACCAGCTATGGTATGTG
GGAGTGCAAAGCCTTTGACAACACAGAGCTTAGGAGCATATGCCTTACCACTGTTCTTGG
CAGCCTTGGCAATGTGTCTAGTGAGAGGAAGGGGGACAGGAGGGATGGCTTTCGTCCTTT
GGGTAAGAACTGTGCCCAGCCAGAGGGGAACATCATGGCTTCTGCAAGCAGAGTCCAAGC
CCCGCTGTTTATAGTTCAGCCATAATGGTACCT
Sequence 454

CGAATTGGAGCTCCACCCGCGGTGGCGGCCGCCCGGGCAGGTACCCAGGGAACAAATGCT
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TTGGTCTGGAGACCCCAGCTGGGGTATCTCCTGAGCCCAGGGATTCAAAGGTTCGTGGCA
GAAATATGCATCCCACGGGACTCTCACTCACTCACCATTTTCTTGTAGGGGGATTCCCCT
GGGTCTGTGCCACTCCTGGGTGAATGGTTGATCTGTCTCACTCTTCTCCGTGATCCGAAG
GTCACACTATGTCACTGATGAATCCTTATGTGTC
Sequence 455

CGAGGTACCCTGCTGAAAGATTATTTCTAACAGGCTTGTAGAGAAACGTCGGTTCATGTA
AATTAGAAATTATGGGGCCACTTTGCCATTCTTCACACCTGCAATGAACAGGTGTTTATC
TGCAGTTCTGACTTATCTCTTGAACTCCATTTGCATGTTATAGTGGGATGCAGCTGATGC
CCTGTCCAGATCTTCTTCAGGCCACTACATCTATATATGCATTCATATTCCAGTGGCTGT
GAGTGTTGGCTGTTGGTTGACAGAGGAGCTGCATCCTCCTGGAGGAAACTGAACTCAGCT
GATGAAAGCCACCTGGTCCTGGAGGTGAAGCATCTTCCAAATGACAGCCTGCAGTCAATG
ACTGATGAATATGACTTCATTGCCTCATGACAGGACCTACTCTGGGGTATAGATCATGCT
TCTAAGCTCCTCCTGGGGTCCTGCTGAGGCTCAATGGCCAGCTTGAAACCATACCCTTGC
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ATGGCTTTCCTCAAAAAAAGCA
Sequence 456

Table 2

CCGCGGTGGCGGCCCGAGGTACTTCCATCAAGTCGAGGGAGTAACGCAAACTAGAATAGT
AGCCATCTATTAAGGATAGTTCTGAGGTTTGGAATTTGTAACTGATTTTTAGGAGCTACG
ACATGAATATCATATCAGGTAGAAATACTCAGAGTGATCACCTTTTATGAAAGTTAGTTC
TATCTTTCATGTCTAGGAAAATATAACAGTGAATGTTTGCTTTTTGTATGTTTTGTCTCC
AAGCAGAGGAAACTGACAGTTTTATGTTTTAGGTGCCGAAAGTTGTTTTTGGCTAGACAG
TTCCAGAGTTAATCACTGGGATGCTAACTTGAATTTTTGTCTTTAAAATGTTTTAGATTT
TTAAAACGAAATATGCTTCCGTTATTTCCAAACTGACACCTTGTGTTCTGGATTAAGTTT
TTAGAGAAATGTTTTCCAAATTCTCTTGGATTACTTGAAGTCCATTGATTTTGAAATATT
TAGTTTAAGTTTTTTTTCTTTTAAAGCTTATCAGAAAGTAGAGGAAGTACCTGCCCGGGC
Sequence 457

CCGGGCAGGTACAATGGGTGTTCAAAATTTCTCTTGTAGGGTTGAAAATTTTCAAAATAA
AAAGCTGGGGATAAGATGATTTGGGTGGGTCTGGCCAGAAATAATAAGAGCAGGATTCTC
AGCTCTCCTTTTTTGGCCACTGTGCTTCTGCAGTGGGACTCAAAAAGAAGTACCT
Sequence 458

AGGTACAATGCCCTTGGAGGGAGAGGGGNTTCNTGGAAAATGGTTGCCATGATAGGATTT
GGGGAGAACCTCTATGTTTGAGGGAGTTTGGGTCAGGACCTATCCGTGGAAGCAAAAACT
AGTGCCCAAATATTCAAAACATAGTTTGGTGAAAGATCACCTATGATTCTGAACGAAATA
GTGTAGANNAAGACATCTGGAAGTTTTCCTATTGAAAAAAAGAAAGTGTGAAATCAGATA
CTTTTGTTTTTAAGGCTCTCTTTCTTAAATTTCCTAACTTGGCCAAAATGTCAATGGTAC
CTGCCCG
Sequence 459

CCGCGGTGGCGGCCCGAGGTACTTAATGAAACATTCTCACTTATGTTATGCTACTTGAGA
CTCAGAACAACTGTGGGAGCTTGGGACAGATGACTTCTCATTTTCCAGATGAAGAAGTTC
GAATCCAGAGAAGTCTAGGATAAATAAGAAGGAAAGGAAGAAGGAATAGGAAGTGAGAAA
GAGGGAAAAAGAAAAAAGTGTAAGAGCTAGTAGAGAAGCAGTTAGAGTCCTTCCAAGGTC
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CACACCATAGGTTGAGGTGGGTGGGCAGAAGAGGACATGCAGGATATGACTCCTCCTCTC
CAGTAAGCACTGAGCGACTCTACTGTCCTCTTGCCTTCTTCTGCTCCTTTGCTCTGGGTC
ACCAGAAGTGGACTCTTGTTCCAGCCTCCCACCCTGACAAGGAGCTCGTAATCATCTCCT
CCTT
Sequence 460

AAACCCAGAGTAGGGAGACAGGGAACCAGCAATGTCAGAAGGAGCCGATATTTTGCATGG
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CTAATGTATCCCAAATGTCCACTTGCTGAGGGCNGGATTGCACAAGCAACAATCTTTTGC
TCATGAAGCTTAGGGAGCACTGTCCCAGGGTATCAATTGGCCCAAAGCTGGTCTCTTCCT
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TTCCAGTTCTGTATTTTAGGTCTGTGTTCGTAATTAGTATCATAATTAACTGAGAAGGTT
ATTTAGATTTATTGAGCCTCTTTTTTTGTAAAATGGACTATTCATATACAACTGCAGAAAA
ACCAAATCCCCCCAAAAAACCCTTGCTACTTAATACAAAAACCTAACTGCAGGCACTTCT
ACTTTGCGTGGGTTGACAGAATAACCCATCACTATTCACCACCCAAAACAAACACC
Sequence 461

CGAATTGGATTTTCCCNCGGTGGCNGCCGCCCGGGCAGGTACGAGCANTATTGCTTATCA
GAACACACCAACAGTCTTTTTTTTAATATTCGCTTTTCCCCTTTGGTTCAGCCGAGCCTGC
TGACAGATCATTCAAATTCAATTGTTTTATGTCTAAGCCGAACAGCTAATTAAAGTAGGG
ATGATTAACCTGACTGGCAGTGCCGCTCTCCCTCTCGCGCTCTCTCTCCTTCTCCTTTTC
TCTCTCTCTCCCTCCTGTTCCAATCAAGTCTTTTTCTCACACACTCTCTCTCTCCGTCTC
TCCTCTCTCTCCCTCTCTCTCTCTCTCTCCCCCCCCTCTCTCTCTTCCCCCTCTCTCTTC
CTCTCTCTCAGTCTCTCTCTCCCTCCCTCGGTTGGTGTCTCTCTCTCTCTCTCTCTCT
GTCTCTTGCTCTACTGGTTTTTTTTTCCTCTCTCTCTCCTAAACGTGGTCTGCTTGCTGAT

Table 2

GGCAGAATGGCACTCGGAGATTTGTGCATTGTGTCTGGTTTCCTACGGGCAGGCTGACCC
AAGTGCCTCCAGGGACTTATCAATAGACCACTCAGAAGAGACCAGACAGGAAGGGANGAA
GAAGGGTNGGGGGGAGAAAAAAAAAAATCNATTTCNNGAATNGAAGGGGGCTCCGAACCATT
TTTTTTTTAAAGAANTATNNGGAACTTGGGAAGANGGGGGGACAAAAAAAGGTTTTTNAAA
ANAGGNNNGGGNGGAGGTTCTAANAAATTTGGAAGGAAACANTTCCCTGNNTTGGGAAAA
AGGAAAANTCCNGATTGATANCATTCNACCNAGGTTTGANAANGGTNNNTCCCCCTTANA
ANNGGGNNGNACCCNAAATNGNAAAANCCTTTTTT
Sequence 462
GGCGAATTGGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACTGAACTGGGAGGGT
TTTAGTCTGATAGCCACAATTTTGACCTAGGCAGGAAGCTTTACAGCTTGAGGCAGTTTC
ATGGTCTGAAGACAAACTTCTTGTGACTTGCTGCCGGTGTTGGACTGCAGGAGAGAGCCT
CACTGGGTCAGGAGCACNAGAACAAAGTGGATCCCAC
Sequence 463
CGCCCGGGCAGGTACNCGGNACACTTCTCTGATGCCTCTTGGGCAATTGCTCTGTTTTCT
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TTCCTCACCAGCCTATCGAGCGGCCGNCCGGGCAGGTACTGTCCGGACATACCCCTTNCA
AGAAGAAGCATCTCTTTGGCCCAGATGTTTGTAATTAAGGGTCTAACAAATAATTCACCT
GAAATC
Sequence 464
CTTAAACACCACTATTTGTTGAGATGAAAAAAAGCATATATAGGAAGCCTTCAGAATGAA
ATGGTCAAGGGTGAGTTTACACAGATAGATAGATTTAGGTCTCTTCCTTTTGCTTTGTGA
AAGCATCTAGTGTTTTAGGTGTCAGAGAGGGAGATATCCTTACAAAGCAGAGATTATCAT
TACAGGTTTACATTTCTTACAAAGAGTTTCAAAATAAACAGGTNAATGCCAAAAACATAT
ATTTTGGAGACNGATTAATTCACTAGTTGGTCTATTCA
Sequence 465
NCGAAATTGGAGCTCCACCCGCGGTGGCGGCCCGAGAGTCTCCCATGGTGACTGTGGCGG
GAGATGGAACCATGCTGGATGTGGAGGGTTTGTTCTACCTAGGAGGCCTGCCCTCCCAGT
ACCTCGGC
Sequence 466
CGCCCGGGCAGGTACTGAAAATATGAAAATTGCTTAGGCCAAAGAATGGGCTTTTCAATA
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GGTTTTTATCCCTAGTTTTAACAGTCTGAAAGAGGGTTCGTTACTGAGCACTGGAAGTGA
TGAAGACAGAGTAGCTACAACATAGGGGCTGGTAGGCAGCAGAGCCTCACCAACAGCCTT
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TCAACCCGGACACAAGGGAGAGCGCGGTTACCCTGGCAATATTGGTCCCGTTGGTGCTGC
AAGTGCACCTGGTCCTNATGGCCCCGTGGGTNCTGCTGGCAAACATGGAAACCGTGGTGA
AACTGTAAGTTTGTGAATACCAATCCCTTCAATGCAACATTCTTCGTGGGGCTTTACTTT
NTGACTTTCCCACACTTTGGGATGGTGGAAGAATTGGGAAGG
Sequence 467
CGCCCGGGCAGGTACCACCACACCCAAAGCCTGGCTCAGAATGAATTCAGCACCCATTCC
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TCTCTGTCTGCATTTTACTCTGTAATTTATTGACATAGAAGAGGCCTCGTGCAGGCTTTC
ATTGCATTAGTCCACTTGGAAGTCTTTTCTCCAATCCATTTGACCTCAAGCTGCTTTTTT
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AAAGCCCTGTGACCAAATGTTTAGCANGCTGTTCAAACAGTGGACTGATGGTTTGATCTA
AAGTCCGTTTCCTGGCTTACACACACCTCCCATTCCCCAAGGGCAA
Sequence 468
CCGCGGTGGCGGCCCGAGGTACGCGGGATTCCCCAACAAGATGAAGTCAAAATTCCTTAA
TTATAGAATCTAGGAGGGCTGTGATTTCTCTGAGTAATGGATTATAGCAGAAGCGGTGCT

Table 2

AAGTCGTATACAAGTCTGGGTAATAAAAGATGATGCAACTTCCACTTTGTTCACTAAAAC
ATTTACACTTGGAGCTCTGAGCCACTGCATTAGTAGTTTGACTACTATGAGGCCATAGCC
TTCTGGCAATGCTAAGCTGCACAGAAAGGCCTCAGGTACCTGCCCG
Sequence 469
CCGCGGTGGCGGCCCGCCCGGGCAGGTACTAATTAGATCTGCCCATCCGTTACTTGGCAG
AGGAATGGGCTGGAAATGGGAAAGGGTCAACCTTTCACCTGCTGGACACTCAAGGTGAGA
AGAAAAAGGAAAGGGGCCAAGAACTAACTGTCTGGCTAGACAGTAATCATGGACTCAGGC
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AAAGAAAACACTCATAATTATCCAATATAATTTTTTTTATAGTTCATAGATTAAAATATAT
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ATGTATGAACCTATCCTTANGGAAAAATTNCATTCTCTAAACCACATGACAATTCTCAGT
GGGGATATTCCACTGTTCCAACATGAACAAAATGCCCCC
Sequence 470
TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACCCACTCTGTGCC
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ACAGTCAATAAAGCAAACGAACATGCAAATAGATAATGGACTGTCAGTTGGTGACAAATG
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TATTGGAGCAGAGACTAAATGGTGGAGGAGAGGAATATGGGACTGTTCANAGGAAGAATA
TCCCTGGTGAGGGAACTTCAAGTATAAACACACTGAGGCAGGAGCATGCCAGATNCAAGG
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TGTTTATATATCTGCATCTCTAGAAGTTCAAGGGAGC
Sequence 471
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTTTTT
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ACCTNGGGCGANAAAGCAAAAAACTTTTTCTTAAAGNAAAAAA
Sequence 472
GCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCNGGCAGGTACTATATCAGCTCATCCCT
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TCAGCTCATGCCCAGGGAGCATACTCTTTTGGGTGGGCCAGGCACCATTTCCCTGTGATG
CTGGGANCTGCTTCAGCTTAGGTACCACTGCACTCCAGCCTGTGTGACAGTGAAATTGTG
TCTCAAAAAATAAATAAATGAATAAAGACACAGAATCTGCAGGATGGCTCAGTCAGTTGG
AGACCCAANAAAGCCATGCTG
Sequence 473
GCTAATTGGAGCTCCCCGCGGTGGCNGCCGCCCGGGCAGGTACGCGGGGAGAGCTCCAGC
ATTTCATCTAGGGGGAGGTGGAAGTGTGGCTTTTANAGATAAAAGGACAGGGTTGTTTTG
GGGTGCTCTGAGAAGGGGAAAAGGAGACCAGTGTATAACTTTGAGTAGCTAGAACGGGAA
GATTTGAGGGGGCTGAATGAATTGATGAGAGTGATTTAACTTAAAGGACTGGGGCATTAT
CTGTGGGCCCGGGTATACTAGCTTCACTTTTGAGGAAAAGTGAAGCTGGGAAATGTGAGA
TCTACTCAGTGGGTCCGGGGAAATGTGAGAGGAGTAAGGAAAGTGAAGACACAGATGTGT
TGGAGGCTCCAGGNTAGCATGGTAAAGAGAAAGGGTTTCNTGGATTCTGATTACAGAATG

Table 2

GACCTGTGGGGGGGTCTTCANATTGAGGCCTNACANGCATTTAAAAGGAGCAACCTGNNTA
NAACAGANGTTTGGGGAAAT
Sequence 474
CTACTATTTGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGGGGGGCCATTGAGACTGCCA
TGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGC
TCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGACA
AGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAACGGA
TTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCC
TGGACAAGAGACAAGGAGAAGGCCTTAGGATCTACTGGG
Sequence 475
ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACAATGCCCTTGGAGGGAGA
GGGGCTTCATGGAAAATGGTTGCCATGATAGGATTTGGGGAGAACCTCTATGTTTGAGGG
AGTTTGGGTCAGGACCTATCCGTGGAAGCAAAAACTANTGCCCAAATATTCAAAACATAG
TTTGGTGAAAGATCACCTATGATTCTGAACGAAATAGTGTAGATAAAGACATCTGGAAGT
TTTCCTATTGAAAAAAAGAAAGTGNGAAATCAGATACTTTTGTTTTTAAGGCTCTNTTTC
TTAAANTTCCTAA
Sequence 476
CTTANGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACCTTTAGTCTTTAAACCC
TGATTCTTCCTTTTTTTGGTTTAGTCTAATGGATGAAAAACTCAAACTGACTGATGTGGCT
GTAATCTTGGGCCTGTGAGGTAGAACAGCAGAAAAAAANTAGGAATTTAGAAGAAGAAGA
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CATCCTGGCTGACGCGGTGAAACCCCGTCTCCACTAAAAATACAAAAAATTAGCCAGGCA
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AACCCANGNGGTGGAGGNAATNGGTGAGGCCCNAGATCGCANCACTACACTTCAGCCTGG
GGCGACAGTAGGGAGACTTCCTCTTCAAAAAA
Sequence 477
AGCTCCACCGCGGTGGCGGCNCGGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTC
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ACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCA
AATACGACTTCATCACGCTGAGTTGTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCT
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AGAATGCCCACAAGAATTCAACTGGATCTGGAAGAGGAAAGAAACTGATGGTGGTAACTG
AACCCATTTGATTTGAGACCTACCAGGGCTGATGTCATTCATTGGAAACCGCACAAACTT
GGCTATTNCCTTTCCCGTGGGGAAGTATTGGGTT
Sequence 478
TTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACTTATTGTATAT
TTCTCACATTCTTTCAGAAAGTTATTAAAATGGCTTTACAGTTGCGTTGCTTTTTTTTTAA
AGAGAGAAGATTGAAATTTATTTTTGCAGCTATACACTTGGTTTTGGATTATTCATGTGTA
TAAGTTATTTGAGCTGCTACCACTTCCTCTGACCTAAGGCTGTGGCTAAAATGGGTTTGG
AGAAGAAATTCTTGCCTGTACCT
Sequence 479
GGCCGAGGTACCTTTCTTTCCAGGCCTGGCAAAAAAAAATCCAATTATGTCCGTCTTGAGT
CTGTGGTCTTGCTTCTTATGTAGTATTTCCTTTGTGAGCTGAAGATTAATGCATGGATTC
ACCTCCTTCAGCACATTTCATTTCAATTGTGAAGAAAAGATTCCAGGCACTGAATGTAAA
ATTGAACATGACATTTTGACATTCCTTCTTCTGAGAGCTGGGTTGGTCTTAANTTGCTGT

Table 2

GAGGCTCTAGACACCGACCATACAGGGCGTGGGGCTGCTCCTGGACATGAACATCCTCCG
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GCCCNGGCGGCCGCN
Sequence 480
TGGCTAAAACATATTCCATTTACTTGTCAGGACTTACAATTTCATTTCACGTGCATATAA
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ATTAACCCATGTATTATTTTAAATCTACAAACCAACATTTCAGCTACAGATTTTGAAAAG
CCAATTGTTACTATTTTGTAAAATTCACATTTCTAGCCACATAAATTAACAACATTCCTG
·AAAAACATAAGAATCAGATATAACTCTGCAGTAGGCAATCCTGGGTNCTGACACTGACTT
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.AGTACAGAAGATAGCAATCCAGATCACGGCAAAAAACATGGCTTTTTCTTGCCAATNAGA
.AAAAANAAAAAANTTAAAAAAAAGTACCTGCCCNG
Sequence 481
CCGCGGTGGCGGCCGAGGTACGCGGGGGAGTTTCTAAGCCCCCGCCTGCGGTCTGAGGCA
CCGGCTGAACCATGTCGGAGATCCTGTGCCAGTGGGCTCAACAAGGAGTTGAAGGTGTCC
CGGACCGTGAGTCCCAAGTCATTTGCAAAGGCATTTTCCAGTGGGCTATCTACTTGGAGA
AGTTCTACACAAGTTTGAACTTNAGGATGATTTTTTCAGAATTTTTTGGACANCAAGGGTT
TCAAGTGCCAAACTTAATAATTTTTTCTCGCTTGGAGCCAACACTTACCTTCTGGGTGGTG
CAAGNTTTGATCAAAATGTGGNCCATGGGCATCATCACAGAAAAGCCTGGGGTGGGCAAC
AAAGCTGTTATATCAATTGTACCTGCCGGGCGGCCGCTCTTAA
Sequence 482
CCGCGGTGGCGGCCCGCCGGNCAGGTACTTTTANAAGAGACAGGGTTTCACCATGGTGGC
CAGGCTGGTCTCGATGTCTTGACCTCGTGATCTGCCTGCCTCGGCCTCCCAAAGTGCTGG
GATTACANGTGTGAGCCACCACACCCGGCCTGAATTGCACTTTTGATGGCTGAGCCAAAT
GCTCATTCTATTTAATATTGCACAGCCTGGACCAAAACCCGTAACATTATAAAGGAAGAG
ATGAGAGCCATTTCAAACTGTGAGAGAAGAGAAGACATCAAGCAAAATCTGGGGGTTTTA
AGCCAACAGACTTCANTCCTGGGGCCTTGCAGCAAAAAAACACCTTCAGTTGCCCCAGGG
CTTTACAAGGTGTGGCTCGCCTGTTCTGTTGCTACACGCTCAAACCCCTGAGGGGAGGGG
ANCATGCAGATGGACAGGTGCAGGAGCCTAAGTGGGAGTGTGTTACAATGTGCCCTTTTA
ACCCTGCTGTCCATGGATGGCTTGAATGTTAATCAAACTN
Sequence 483
GCAGGTACCGCGGGTCCCACAGTGCCCCTTGATTGAGAACCCTCTTCCCAGCCAGAGGCA
GGAAGAGGACGAGGCACATGAGCCTGGTTGGCATCATGCCCTAATCATGCCCTTTGCAGC
CTTTTACTCCTTCACAGCCCACATGCTCAAGGTCGTCTGTCTTTTCTGTCCCTCCCCACC
TGTTCCAGTTAGATTTCTACTAAAGTAATAGTTAGCATTTTTGAAACAGTGTTGGCTTGT
TTAATCCTCACCACAAACCCATGAGGTGGGTTAAGAGAGATGAAAGAACTTACAAGGTCA
CACAGTTTTACGCAACTGCTGCCTTTTCTTCTCTTGGCTTCAGGCTTGGGTTCCTTCTCT
TTGTGTCTGGCTGTACCT
Sequence 484
CCGCGGTGGCGGCCGAGGTACCTAGGAAAGGGGTGACAGGTCGGAGTTTGAAACCCGCTT
GAAGGGAGGAGTCACAGAGCTTGGAAAATGCTAGTGCTAGGCCAGAAATGACTATCACTG ·
CTACGAAGTCAGCAGTTATAGTGCCTGGTATTGTCAGTCTAGTCAGACAGCCATTAAAAA
TAACTTAGGATTTCCAGGTTTCCTTTTCAAAAGCTATACATTTTTTTAAAAAATTAAAATT
ATTTTAAAAACTAGAATATGTGTCAGTTCCATTTCTACATCTGAATTTAAGGTAAGCCTC
CACTATCAATTCAGCTTCTACCACGGTATATATTTACTCTCCCTTTTTCACTCACTCAAC
CACTCTGTTTACAGGCAGGACAAACTGTGGGGGTAGCCAAAGTCCTTCTGTCCTCATACT
GGGCACCTTCTATTCTATCCTCCAACTTGTCCCTGTGTCTCCAGGCANGCCTTGTACCTG
CCCGGGCNGGCCGCTCTAGAACTAAGTGGATCCCCCNG
Sequence 485

Table 2

TTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAGCTCCCACCTTTTCAGTGAACTCTTAC
ATNNTGGGGGATCTGCTCTTGTAAAGGACATCCTTTCTGGTGAGTATTCTTTTGGTTTAA
TTTNTGGTNTGGTTATTTGTGCATGAATATAATCTCATTAGGAAACAAGTTAAGTTGAAT
AGACCAACTAGTGAATTAATCCGTCACCAAAATATATGTTTTTGGCATTTACCTGNTTAT
TTTGAAACTCTTTGTAAGAAATGTAAACCTGTAATGATAATCTCTGCTTTGTAAGGATAT
CTNCNTCTCTGACACCTAAAACACTAGATGCTTTCACAAAGCAAAAGGAAGAGACCTAAA
TCTATCTATCTGTGTAAACTCACCCTTGACCATTTCATTTTTGAAGGCTTCCTATATATG
CTTTTTTTTCATCTCAACAAAATAGNGGTGTTAAANTNTCTGTACCTCGGCCCGNTCTTAA
ACTAGTGGATNCCCCGGGNCTGCANGAAATTNGATTTTCAAGCTTATCGATCCCGTCCGA
NCCTTNGANGGGGGGGCCC
Sequence 486
CGGGCAGGTACAGTGAAGCTTTGACCTGAGGAGCTCTTCTGTAGGTGAAGAGTGGTTAAC
TATGGTTCCTGTGTGCCTGGGGCCCCCCACTCCTAGGACTCATCCACCCCCTACCCAGAA
CTTACTAGTACCT
Sequence 487
CTCCCCCGCGGTGGCGGCCGAGGTACCTTAGTAGAGCAGTTCCAAAAAACCCTGCCAGTC
ACTGCTGTGACCTGCTCCACAGGACTCAACCTGAAATTGGACATCGCCTCCCAGGAAAAT
GGTGCTTTAATGGANCAGCTCCACATACATCTTNCAGTCACTCCTACAGCCTTCCCCACT
ATGCCAGAGCTAAAGCAATAACTGGCATCCCAGGGAAATGATGCATTGACTGCCAGAGCA
AGTTATATTCCCAGTGCCTGGGCTGAAGCAGTCCCCTGTCTCCTGGGAAAATAGTACCTG
CCCG
Sequence 488
AGTACCTTTCTTTCCAGCCATGGCAAAAAAAATCCAATTATGTCCGTCTTGAGTCTGTGG
TCTTGCTTCTTATGTNGGNATTTCCTTTGTGAGCTGAAGATTAATGCNTGGATTCACCTCC
TTCAGCACATTTCATTTCAATTGTGAAGAAAAGATTCCAGGCACTGAATGTAAAATTGAA
CATGACATTTTGACATTCCTTCTTCTGAGAGCTGGGTTGGTCTTAGTTGCTGNGAGGCTC
TAGACACCGACCATACAGGGCGNGGGGGCTGCTCCTGGACATGAACATNCTNCGAAGTTNT
TCNCAGTCCACTTTACCCCGCTNTCCCNGCGTACCTGCCCCGGGCCGGCCGCTCTAAGAA
ACTAGTGGATCCCCCAGNGCTGCAAGGAAATTCTANATCAAGCTTGATCGGTACCGTCTA
CCTANGAGGGGGGGCCCGGT
Sequence 489
CCGCGGTGGCGGCCCGCCCGGGCAGGTACTGCCCTCCAGGGCTTACAGTCTGGTGAAGGC
ACAGGCAACAGTAAGATGATGTGGTAATTACTGGGAGGGGGCAGGAAAGAGAGAGAGCAA
AGCAGATTCCAGGAGAACAGGAGGGAAGAAGGCTTGCGGGAATAGACTGGCATATGCAAA
GGTCTAGAGGAGGAAAGAACCAGGTTTAAGTCAAAGAACTCAAAAATAGTTCAACACNGG
TCAGACTTTTGGAGTCTGGTGAAGGGACAAGGATGTACCTCGCCCGCTCTAGAACTAGTG
GGATCCCCG
Sequence 490
CGCCCGGGCAGGTACCCCAAAACCAGGGGCTGCAGCTCCAGCAATTGGGAAGGCCAAGTT
TTCTTGCACGCTCCCCAGAAAAGGGGCCAAGTCCATGGGGCTGAGCAGTGATAGACTGCA
GACCTCACCACCACTGAACCTTGTAGGATAAGGCCCACTAGCCTGGGATGCTAGTGAGGC
CACCCTAGTCCTCCTGAGTTCTCCAGCTGGGAGCAGCTCTACACTTCTCCGGCATGCAAG
CTCCCAAAGAGAGAGGCAAGTCCACCTTTTTGCTGTCTCGCAACCCTCCTCCTGCTGCTC
TCAGCTTGGGAGGGTGCACAGCAATTAGGGACTATCACAGAACCCCAGCACAGTGCATCT
GGTGAACTTAAAAAAATCAACAAGTGAAAAACAAACAATCCCA
Sequence 491
GTGGCGGCCGCCCGGGCAGGTACCATTATCATTTTTAGTGCAGTAATAAAGAAATTAAAA
GTCTTAACATTGAGCATTGGACAAAAACACTCTGCTTGGCCTCCCAAGGTGCTGGGATTA
CAGGCGTGAGCCACCACACCTGGCCTGGGCTCCTGCACTTTAATTCAAGCCCTGTGACTT

Table 2

GCAGTGAGTGTGGCCAGGCAAGCACTCCCTGTCAGAATGGTATGATCCCTCTTTTCTGGA
GGGCCAGCCTGCCTGCAGCACTGTTCACAGGCTTGCAGGTGCCACTGAAGAGACCAGTGG
GAGTTTAATGTCTGGAATGTGTTCCACGTGGAAATATAATTACTCTGTCATCTGGAACAA
GCGATTTTAATTGTTAGAGAGTTCCTCANTCCACTAGTTTGACTTTGGCCATGGTCGTAC
CTCGGC
Sequence 492
TACTTAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCCCAACGTTTCGCTTC
CTTTTGACCAATAAGATAATTTGCAGCTATGTGAGACAAACACGCCACCTCAGGCCCTGT
GATGTGCATCAGACCAGAAACAGCCGAGGCAACAGCATCATAACCAGCTCGCTGAGAAAT
TGGACCTGTCTGACCATACCCTGTGATGGAACAATAGATGATGTGAGGAGCAATCTCGTC
TATATCTTCATATCCCAGGCCCATTGCAGACAGTTTGCCAGGGACATAGTTTTCCACCCC
CGCGTACCTGCCCG
Sequence 493
GGAGCTCCCCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTC
ACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACC
ACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCTCTTGGTCTGCA
AATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCCCCTGAGCGCTGTCT
ATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAG
AAGGCCTTAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACC
CATGGNCCACTGAAGTTCCTTATGCTACTTTCACTGAGCATTNCTATGAAATACACCAGT
GAGAAATTC
Sequence 494
NCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGTAAGTTGA
AGTCCAGGAGGGTTCCAGACACAGAGCTTCTGGTGTCTTCTCCCTGTGGAGTCAGGACTC
ATTACTCTGCTGTCTTTGATGTGTGACAACAGGCACCAACTATCGCCAACTAGAGAAGCT
CACCAGAGCTCTGATGTTGGAAGTTTTTATTGGGGCCTCAGCATGTAGACATGATTGACT
GGTTGGTGGATTAACTGTCTACATGGTTAATCTTAGTGTCCAGGTCAGCTGATACTGCGT
GACCAAAAGCTCCTACCCCGAATCCCTTGATTAGTATTTCTGGCATAGCAAGCCCCCGTC
AGAAACAAAGACATTCCTCTTAGAGGTAATATAGATTACCTTTCAANCACCAGGAGGGCA
AAGGCCANACTACTTTTTTA
Sequence 495
CTACTTAGGGCGAATTGGAGCTCNCCGCGGTGGCGGCGCGCCCGGGCAGGTACTTGCCCT
CTCTGAGCCCGCCTTGCTTCCTACCCTGNTGACTGAGCACATTGGACTGGGTCATAGTGG
GTGATGGCCCCTCCCGGCTCTGTAATTCCCCACAACAGTCCTGGTGCGAGTGTCAGGCCT
GGTAGAACAGGGTTGTTTGAGAGATGGTATCTAGGCAAGNTATGTTTCCTCTGCTCCAAC
CAGTCCTNTATTAGTCCTTCAGACAATGTGGCACATTCTGTTCATTGTATGAA
Sequence 496
TCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTANCNNNANNTGGAGACTCTTTTGGCTT
GCTTTTCCTTTTAATTGGTTTTATAGAGAAAATATAACTAAAAGTAATGTCATATGAAAT
AATGCATTGCTTATTAAAAATACATACTGAAAATATGCACTGTCAATTTCAGATACTCGA
TCATTTTTATATTATTTGGCATATAGCCTACTTAATTCTGGAAGGTGGCACATGTCTCCA
TCCCTGATAGAATATATTTGGCTATTGGGGGTTTCATTTTAGTTTATATTATTAATACAA
TGTTCAAAAATGTAACAATCTTCATTGATTAATATGGAAAAAGGTAATGGGGGGAAAACA
AATTTTTTTTTTTAAATTTCATTCCATCGGGAAAAGTGGAACTATCTTTACACCGGAGNGT
ACCATTCATTTCAACCGGTTCTTNTGNCNTGNAAACCAAAAAGGGAATCTTTGGATTCCT
TTGGGGATTTACCCCAAANAANAANGGNNTGGNTTAAANANGAAAAAAATGCCCTTTTCT
TTGCTTNCCTGGAATGGGGACCCTGGAATAAAATTTTTNAAAAAANTTGNAAACCTGCCAC
ACNTTTGCAATCTTTTTTTTACCANNCCCNNAAAATACCGGNCTTTTGGGAAATTTGGCCA
AAAANACCCTTCTTTAGGCCAAAAAAATNCCAAAGGACATNCCTTGNGGGGTCCTTTTTTTT

Table 2

TTNCCTTTAAACCCTCCAAAACTTCCAACANCCANAACCAAGTNGGCCTTTNTTTCAAAC
CCCCCAANACCCNGGGGGGCCCCCCGGGCCC
Sequence 497
CCGGGCAGGTACCATTTTAGGCCAAAGCTATCCCATGACTATTGCCTAGAACGGGAGAGG
TGAACAGAAGAGGTAGGGGCTGTGAATGCTTTCGCAAAACTGACAAGCAGGGCGAAAGGG
AAACTCTGGAATATGAGCTTCCAGACTGCACTTGCATCTTGTTTATCTCACGGTTCTCAG
GGGCCACCACCTTACCTGGCACACCGAATGTGCCTGAGGAATGCTTGATGCACTAAACCA
CAAATCAGTGCAATGGAATTGCCATCCCCCAAAAGTCCTTTTTTAAGATAAGAACGTATT
TTCTGAAGTGGATTCTGATAGCTATTAGTTTTGGTGGTCTGGAGTATGCTTTTACTCTTT
CTCCCTGATACTGGCAATAAGAACACATAGGTCCACAGGTTTG
Sequence 498
CCGGGCAGGTACTAGCTACTCTGGAGGCTGAGGCAGGAGAATGGCGTGAACCCGGGAGGC
AGAGGTTGCAGTGAGCTGAGATCACACCACTGCACTCCAGCCTGGGCGACAGAGAGAGAC
TCCCTCTCAAAAAACGAAACAATGTTCTTGGCTGGGCCGCAGCAGCNTNACCACCTGTAA
TCCCAGCAAGGTACCCTTCGGCNCGCTCTTAGTAACTAGATGGGATCCCCCCGGGGNCNT
GNCAAGGAAATTTTCTGATTATCCAAAGGCTTTAATNCGAATACCCGGTTCGTACNCTTC
CGNAGGGGGGGGGGGGCCCCCGGGTTACCCCCAGNCTTTTTTGGTTTCCCCTTTTTAANA
TGGAAGGGGTATAAAATTTTTGGCNGCCGGCCTTTGGGCCGTTAAAAATTCAATGGGGTT
CAATTAAGNCCTTGGNTTTNTCCCCTTGGGTGGTTGGAAAAAAATTTGGGTATAATTCCC
CGGCCTTTCCAACCAAAAATTTTTCCCCACCNACCCAAA
Sequence 499
CCGGGCAGGTACTCCCAGGATTTATTTCATCTATAGCAAGTTGAAGGAATAGCAAAGCAC
CGTGGCAACAGCCCCAACTTGCAATTGGCTCTTTTTCCTGTGAGGCATTCCCCTTTCAAA
TGAGCATCCGCATCCAACAATAGCTTTATTTCAAGCATCCAAGCCCGGAGTCATGCCATC
GCCTGTGCCTAGGAGACCTGGCTTTTGGAGGTGAAGCCAATGCAAGCCAGTATTTCTGCC
TGCTGGCTCACTGCACCAGGCATTGTTCTCAAAGATGTCCAATCATCCTCCTTCTGGGTA
ACCCTGCTTGCGTATGTGTGTGTGTTTCCCATGATACAATATGTTTGTAACCAGGCATCT
CTGAATCAATCATCTCAGCTAGCATATTTTTTACTTATTGAA
Sequence 500
ACTNCTATAGGGCGNATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCACTCCGATCCCT
GGTGGAGGTCCCCGCNCCTCTCTGGAGACCAGTGGTCTGGCCCCAGAGGT
Sequence 501
CCGCGGTGGCGGCCGCCCGGGCAGGTACAAGGACAATAGGGATACCCTGGAGCTGTCCCA
GTCCAGCTGAGAAGGGCATTCTCCCTACTTGTGTTTCATCTTAGGGACTCTCACTTTGAC
CCTGAGTGTGATAGGAACCATGGGGAAGTCTCAGCTGAGGTTGGACGTGAAAGGTCTCAT
GTTTTAACAGGGTCACTCTGGCCCCCTCCACTGAGAACAGGCTGAAGGTGGCAGGGACTG
AGTGGAGAGACCTCTTGGGAGACCACTGCAGCAAGTCAGGTGAGAGCTGGAGGTGGCTTG
GCCCAATGGGTAGCTGTGAGGTCGAGAGCAATGGCTGGAGCCAGGAAACCTCTGAGTACC
TCGGCCGCTCTAGAACTAGTTGGGATCCCCCGGGCTGCAGGGAATTCCGATATCAAGCTT
A
Sequence 502
CCGGGCAGGTACCCTGAGCCTCCTGTGCCATTCTTGCTAGCTGGACAGAAGACATTGCTA
CTGAGCCAAGAAGACTTGATCTCTCTTACACCGAGGAAGAAGGGAAGGTCTGATGCAATG
AAACAGCACGTTTGCTTATAATTCTAGATCAGAACCATAATAGTAATTTGCCTACTAACT
ATGTAACATTGAACAAACTACTGTTTTGTGAGCCTGAAAAGTTGGTACCT
Sequence 503
CACCGCGGTGGCGGCNCGCCCGGGCAGGTACGCGGGGGAGGGGGTAAAGTGGACTGGGGA
GAACTTCGGAGGATGTTCATGTCCAGGAGCAGCCCCACGCCCTGTATGGTCGGTGTCTAG
AGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAATGTCAAAATGTCATGT

Table 2

TCAATTTTACATTCAAGTGCCTGGAATCTTTTCTTCACAATTGAAATGAAATGTGCTGAA
GGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATACTACATAAGAAGCAAGA
CCACAGACTCAAGACGGACATAATTGGATTTTTTTGCCATGGCCTGGAAAGAAAGGTACC
T

Sequence 504

GGNGGCGGCCCGAGGTACGCGGGGGAGACACATTCAGAGGTGAGCCCAGAGCGGGTAAAG
TGGACTGGGGAGAACTTCGGAGGATGTTCATGTCCAGGAGCAGCCCCACGCCCTGTATGG
TCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAATGTCA
AAATGTCATGTTCAATTTTACATTCAGTGCCTGGAATCTTTTCTTCACAATTGAAATGAA
ATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATACTACATA
AGAAGCAAGACCACAGACTCAAGACGGACATAATTGGATTTTTTTTTGCCATGGCCTGGAA
AGAAAGGTACCTGCCCG

Sequence 505

CGCGGTGGCGGCCCGCCCGGGCAGGTACTCACAGCTACATCACACTGAATATCATCTCCC
TGCACTGCCATTTCATTTGAGCAGGGCTTTGCCTGTCAAGAACATTCATATCTTTTGATA
AACAGTGCATTTTTCCTGATAGTCTGTATGGGACAGCCTCCTTGTTTGCATCTGAAGGAC
AGGGACTTCAGGACCTCCTGCTGTGGTCACCAAGGAATCACATTCAAACTTCTCAACAAG
GTGTTATGGTCCTTCTCAGTTTGCCTACGATCCATTGAGGCAAAGGTTTCCTTCTCTCAA
TACACCCTCTGCTTTAGCCAGGGGGACCTCCCACTGNCCTCTCTATGTGTTCTATTTGTT
CCTGACTGTTAGTACCTCGGCCGCTCTAGAACTA

Sequence 506

CCGGGCAGGTACCAACAACTGCCAGGCTGCCAAGCAGTTTGGAGTATTGGAAAAAAACGT
TCGAGACTGGCGCAAAGTGAAGCCACAGCTTCAAAACGCCCACGCCATGCGGCGGGCATT
CCGAGGCCCAAGAATGGGAGGTTTGCTCTGGTGGACCAGCGTGTGGCCGAATATGTCAGA
TACATGCAGGCCAAAGGGGACCCCATCACCCGGGAGGCGATGCAGCTGAAAGCTCTCGAA
ATNGNCNAGGAAATGAACATTCCANAGAAAGGGTTCAAGGCAAGCTTGGGTTGGTGTCGA
AGAATGATGAGAAGGTATGACCTGTNTCTNAGGCATAAAGTGCCCGTGCNCCAGCACCTG
CCCGGAAGACCTGACTGAAGAAAACTCGTCACTTTACCAAACGCAATGNTNCTGGCTNTT
NCCANGGGCGCATTGAACTATTNANGTAACTTCANATNGGNGAATGCAAGAATGAAAACG
CCCCATTTGTTTAAGAANGTGCCATTCACGGGTTACTTNTTGGATTANCCAGGGGCCAAA
AAGGNCTGTCNTTGGGTTCAAGAACACCNAANCCANGGGGAAAAAACTTGA

Sequence 507

AGGTACCCCAAAACCAGGGGCTGCAGCTCCTGCAATTGGGAAGGCCAAGTTTTCTTGCAC
GCTCCCCAGAAAAGGGGCCAAGTCCATGGGGCTGAGCAGTGATAGACTGCAGACCTCACC
ACCACTGAACCTTGTAGGATAAGGCCCACTAGCCTGGGATGCTAGTGAGGCCACCCTAGT
CCTCCTGAGTTCTCCAGCTGGGAGCAGCTCTACACTTCTCCGGCATGCAGCTTCCAAAGA
GAGAGGCAGTCCACCTTTTTGCTGTCTCGCAACCCTCCCTCCTGCTGCTCTCAGGCTTGG
GAGGGTGCACAGCAATTAGGGACTATCACAGAACCCCAGCACAAGTGCATCTGGTGAACT
TAAAAAAATCAACAAGTGAAAAACAAACAATCCCATTTAAACGTACCTGCCCGGGCGGCC
CGCCCGGGCAGGTACTTTGCGCTTACTTTGTAGCCCTTCATCAAGGGTTTT

Sequence 508

GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACCCACCTTACAATGTGGGACAA
GATTAATTTAGGGAAAACACGTAGCACAGGGCTTCACCCATGGTAAGTATTTCATAAACG
GTAACTATTTTTAACAATGACAATTCACAGAGTNAATCCTAATAAAAAATGATTACAGAN
GANGACGCCTCCACCCACAGGAAGGAGCCANCACNGTGGGGAGCTGTNTAACCAGGGGAG
TGTTCTCACAGCTGACACACGTGGAGTTGTGGAGGTATCAAGCAGAGTTGGAGGAGGAGG
GGG

Sequence 509

CCGCGGTGGCGGCCGAGGTACTGTATAGTGATAAAAGGTTAATTGTATCAAGGTTACACA

Table 2

ATCCTGAAGCTTTACATGCCTTCAAAATACATAAAACAAAAATTGTCCTTAGTAAAATCA
GAACTAGACAAACCCACAATCACAGTGGGAGATTTTTATTTTTATTTTTATTTTTATTTT
CATTTTGTGATGGAGTTTTGCTCTCTCGTCTAGGCTGGGGTGCAGTGGCATAATCTCAGC
TCACTGCAACCTCTGTCTCCCAGACTTAAGTGATTCTCCTGCCTCAGCCTCCCAGGTAGC
TGGGATTACAGGTGTGCGCCACCACGTGCAGCTAATTTTTGTATTTTTAGTAGAGACAGT
GTTTTGCCATGTCGGCCAGGCTGGTTTTGAACTCCTGACCTGAGGTGATCCTCTTGCCTC
GGCCTCCCAAAGCGCTGGGATTAACAGGTGTGAGCCGCTTTGCCTGGCCAGGAGATTTTA
ATATACCTCTAAAGTAACTGACAAAACAACCACCATGAGTCAGTNAGGATATTGAGGATT
TGAACCTCATCATGTACCTGCCCG
Sequence 510
CGCCCGGGCAGGTACTTGGCACATCTGGAAAATGACGGAGTCTTTCAAAAATACTGCTGG
GAAGATGACCTGTTTTCACTCTCTCTCTAGGCAGGTTCACATCACCAGATGATGCTGGAT
ATGGCTCCACTCCAAGGAAAACAACCTTTTCTTGGTCTTTCAATGGCTGTTTATGAGTAT
ACAACAAGTGCTTTCTATATACTGCAAACTCGTTAGACAGACAAGTCCCTCTGTCAATCC
CACTCTACAGTGCATATGCTTCTGTGTGGTACCT
Sequence 511
CCCGGGCAGGTACAGCTCAGTGCATTTTNCCCAAAGTGAACATAGCAGTGAACCCAGACT
ACGGACCATAACATTACCAGAAGGCACGAAGTCCCTGGAGTCCTCTTCTAGTCAGTAGCC
CTCACGAGTAACCAGGATCCAACGTCATCTTGTTCGGCTTTGACTTTTACAGGAATGGAG
TCACCCAGTTTGTCTTCTTTTGTGCCTGCTTCAGCTTGCTGCGGGTGCTGTAGCTGGCCT
GCCCTGGTGTGGCCGGGGACTCCCTTCCGTGAATATACCCCATCGTTTCTCAGTCCCTTG
AACTGTTTCCAGNTGGGGCGATTGTGGATAGTGCTGCTGTGAACAGGCTTAAGCACGTCC
CTTTTTCTCGAATTTTAT
Sequence 512
CCGGGCAGGTCTTCAGCTCCTGGACTCAAGTGGTCCTCCTGCCTCGGCCTCACAAAATGC
TGGGATTACAGGCATGAACCACCACACCTGATCCTAAGTTGTATTTTTTTTCTGCCATAA
TTTATTTTATATTTAGATTTTACTATTTTGACGGAGGTATTTCCTAAAAACCGAAGTCCT
TGTAGATAGGGGCACAATTAATTCATTAGTTAATTAAGACCATTCATGGTTTGATCCTTG
CCTTCCTCTCCCACCTTATTTCTAACTGTGGTCTCCTTCCTTCTGTCTCTGCTCCTCCCA
TTACACTGGCCTTCCTTGGGTCCTTTGTACCTCGGCCGCTCTAAGAAACTAGTGGGATCC
CCCCGGGGCTGCAGGGAAATTTCCGATATCAAGCTTATCGATACCCGTCGACCCTCGAGG
GGGGGGGCCCGGGACCCCAANCTTTT
Sequence 513
CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACTCACTCACTGAATGGCC
ACCTATGCCCAGCACTCATTGCACTGAAATTATAGGTAGCTTCTGATGGATTTGGAGATA
AGAGGGCCTTTGGAATTATCATCTAAATGTCTTTCAAACTTGTAATATCACTACTACTTG
GCAACGCAAAGGGCTTGTCCATGTGAAAGCTCACCTTCCAATATGAACTGCTGGAGACTG
GAAACACCGTTACAGAGTGTCTGCAAGTCCATGCAAGAAACATACAGCGCATTCATATTG
CAGCATTGATTTTTCAGGTTAATTTTTTAACCTCTGAGTTGGAGAGAAAGAAAAAAAACCA
AAAGGTTCAGTCTATGAAGTTGTTGCTATCTAAACACTCCCAAAACCCATTACTGAAATT
TTGCGTGGCACATAACCCACGTGGCTTATTTCAAGTGGCTGAATGAACAAAGTTTATGAG
AGGTACCTGCCCG
Sequence 514
CGAGGTACTTTCAAGCTCATTGCTAGTAAAGATATCAGGCTAATAACAACTCAGAAACTC
AAGTTTATTTTCTACACTATCTTAAAAATAAAGTGAAAGCCAACAACTATTGAGTAGCTA
TGTAGCAGACAGGACTTTACTGACACTACTTCTAAAGAAATCTACAATCTAGGCTGGGCG
CGGTGGCTCATGCCTGTAATTCCAGCACTTTGGGAGGCCGAGGCGGGTGGATCACCTGAG
GTCAGGAGTTCGAGACCAGCCTGGCCAACATGATAAAACCGCGTCTCTACTAAAAATACA
AAAATTAGCTGGGCATGGTGGCGGGTGCCTGTAATCCCAGCTACTCGGGAGGCTGAGGCG

Table 2

GGAGAATCGCTTGAACCCGGGAGGCGAAAGTTGCAGTGAGCCCGAGATCGAGCCACTGCA
CTCCATCCTGGGTGACANGGCAAGACTCCGTNCCCCCGCAAAAAAAAAAA

Sequence 515

AGGTACAGAGATAAAACTGAGGCTTAGAGAAGGTCAATACCTGGCCCAAACCATATCTGT
TAAGTGGCAGAGCCAAGATTTGAGCTGTCTGACTTCAGACTACTAAACTATTCTACCTCT
AATATAACATATATGAAAACAACTATCAAATGGTAAAGTCCTAGGCAAACATCAGATCTC
ACTATCATTAAAACTTTTCTCTGAATCTTTACTTAAAAATTACATTATGTGACCGGGCAC
GTAATCCCAGCACTTTGGGAGGCCGAGGTGGGTGGATCATGAGGTCAAAGAAATCGAGAC
CATCCTGGCCAACATTGATGAAACCCTGTCTCTACTAAAAATACAAAAAATTAGCCCGGG
TGTGGTGGTGGGCACCTGTTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAANAATTGCT
TGAACCTAGGAGGCTGAGATTGCAGTGAGCCGAAATCACGCCACCACACTCCAGCCTGGG
GCAACAAGAGGGAAGACTCCCATCTCAAAAAAAAAAAA

Sequence 516

CAGGTACAGGCACTTTCTTCAAAGCTCCTTCTTTTGGTGACATCTGGAGCTTCAGAGGCA
GTGGGAGATGGAATGGGGGTCAGATCCATGGAGATCATTATTGGCAGCATTATTGGCAGC
AATTCCTGAGAAACTGAAACAATTGAGAGAGAGATGGCTTACTTAGCTCACTTAGCTTCT
AAGCCATTTTTCATTTCCTGAAAGTAATGGAAGCCAGCAGCCTATTCTTAGGATTTAATA
GGAGATTTGAGTAAAATTTCATTCAGGAAGGTTCTCATTTTTCATTTTTAAAAGTNTGAA
TTCCCTGTTCATATAGAGCAGAGCTATTCTTAACAATATTCCATATTTAAAAAGAATCAA
GTTGTATCCTTGAGATACANATCTCTATCGCTTGGTAATCATCAGCTCTAGCATCTTATT
TCACTTAAAAGCAGTGCTCACAGAGGCNGTTAGAAGATGAGGATAACTGAAAAAACATTT
ACGATATNAAGCCCCNACTTTAAGACTGGAAAGTGATGCTATCACTTATGTAAAAGAAAT
AGCAACCGGCTTAAAAATGTTCAAAGTATTTTAAAATTAGCCTAACAGTTGGAATCATAT
GAAATNTGCNACCTTTNTACATTTGCCAGAAATCACTGGTTTTTTAACCCCAATTTGCCA
TTNGGGTTCCNCCCGGGTTCCTNGGNCCNTTTTAAAACTAANGGATCCCCCGGCCGCNGG
AATCCAAATTAAGCTTTTTTNATCCCGTNGCCCTCAGGGGGGGGCC

Sequence 517

CATTGAGACTGCCATGGTTTACTTGAAAGGCCACGTATTTGTTACTTNTNNTAGAGACCA
TTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTC
TACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTG
CGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCT
TCCCTGGGATGTCCCTGGACAAGAGACAAAGGAGAAGGCCTTAAGGATCTACTGGGGGAG
TCCCGGAAGGAGCAGTTCTCTTCTGTCCCGCTGGGAAACCCATGGTCCACTGGAAGTTCC
TTTATGCTACTTTCACTGGAGCCATTCCTATGAAAATACCACCCAGNTGAGAAAATTTCC
TTTGNAAAATTT

Sequence 518

NNATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACTTAGGGCACAGAGAGGTT
AGCACACAATGGGTCTAAATATACCACTGTTTGGGGATAAATAGCTTCCAGGGATCTGGA
TGCAGAATAAGCTAAGCCAGAAAGATTCAATGCAGTCACCTCAGAAAGTCAGCCACATGC
ATCTTGGAGAGGCCTTGTGGTTTCAGGGCCATTCTAAGAACGCAGCTATACTATAGTCAG
TCCAAGCGGTCATCACATTAAGGAATCTCAATTTGTGAAAACTAGTATTTCAATAAAAAA
GGAGAACACTNGTTTTGTTAAAGGAGTGATAACTTCACGTGGATATTTGTCATAGGTTTT
ATTTAAATGAAAGCTCCCTGACTACATTAAAAATATGATTTATTTAATTTAAATGTATTT
TGCACATATCCACTTTTAAAGAACAAGTTCATTGCTTAAGCCAATTAAACTCAGATTGNA
GAAATATTTCTTATNTGCCAAGNCNTCTGGATTAAAATAGATTCCCNGNCCATTAAAGAC
TATTTATCTTTTCTTTCAAAAAANGAAATTCCACCCTTATATTAACTCATTATTCNNCCAC
CANTTTTCCATGGAAGGAACCAGAA

Sequence 519

ATATAGGGCGAATTGGACTCCACCGCGGTGGCGGCCGAGGTACGCGGGTTTTGTGGAACA

Table 2

GTAAGACTCACTTACAAGNAAGTAACATGCTGTGTTTCTGGATGATATTCTTATCTGAGT
ACAAAGCACGATGAGATGAGCAAAGTTAACATGGCACAGACTTCCTGGTTTCTCCCATAC
CTGTGGCTCTTGTTGCCTGCAACCTGGGGTCTCCCATTCATGTATATTTCTCTCCTTGAA
AGCCTCCTGACATCAANTCCCTGTTNTGANGCAATTTTCCCAAATTTAAAGAATTATGAA
GAAATAAAAAAANGGTNCCNTGNCCCCTGGGCCGGGNCNGGTTTCTTAAAAAACTANNTT
GGGATTCCCCCCCCNGGNCCTGGNAAGGGNAAATTTNNAATATTTCAAAGNCTTTNTTCG
GATTTCCCGGTATCNNAACCCTTCAATAGGGGGGGGGG
Sequence 520
AGGTACACACAGTTAACCCAAAACAGGCCTCTCTGAAAAAGCCATTGCCATGGACTGCCA
GACAGACAATGACAAGACACAAATACCTTCTGGTGTGTGAGCCACGGGACATGTGAGCTT
CCCCGCTGATGCTCCTCTTATATCAAAGATCACTTTCACAAGATGAGCGACTCAATATCT
TTTATCAAACCAATGATCACCTGCAAGCTATGGTATATTTTTGCAGCTGTGTAGAGCTAT
GTGGCATGAGAATGTGGGACTTATAAAATTGCTGATCCAATAAATAAGACATTATGGGCA
ACAGTGTCTTATCAGCTAGTGGTGTACCTGCCCG
Sequence 521
AGGTACTCAAGCCCCTGCCTGTCATGGCCCCCCAAAATGCTGGGATTGCAGGCCACCATA
ACCGGTCATCGGGGCAACTATCCTTCAGGGCTTCCTCCAGTAGGGCTCCCCAGGTTGGCC
TTGAGGGCCACAATAAAAAATCTGACTTAGCTATACTCCTTCCCTGTCCCCAACCACAGT
TATTCTTGTGGATGAGGCAAATGGCAGCAGGACAGCTGGAGTATACCAGAGTTGACTCAT
TTATTTTATGCATGCTTAAGTGTGGCATCCCTGGGGACATGAAATTCCAGTGAAATCCAG
TCTTTGTGCTGGAGAAGCTCATAGATCTGTGGAGGAGGCAGATGCCCACCCACTTCACTG
TACCTGCCCG
Sequence 522
CCGCGGTGGCGGCCCGAGGTACAAGCAGTAATTGATTCACTGGCCTTGGACTACTTGCAG
GTCAGCTTGTCTCACATAACAGGTTGGTATATGTATAACTATCACATAATTATGCATTTT
AGTAAAAATAATTGTTTAGAACTGGCTTNGGGCAGTTGTGACCTCTAACTGTAATTTCCT
TGCTTCTTCTGTATGTTCCACCTCTTGTGCTGTGCGCCTAAGCCAAAATCANGGTGCTCT
TGATAAAAATTCTTCTCAATTTAGGCAGCTCATCAAGATTCCACTTCTTTTTAACTTAAT
TNTCCCAANGGTTTTCCCAAACTTCTTTTCAGATAAGGGCCCTGCCCTA
Sequence 523
CGAGGTACAAGCAGTAATTGATTCACTGGCCTTGGACTACTTGCAGGTCAGCTTGTCTCA
CATAACAGGTTGGTATATGTATAACTATCACATAATTATGCATTTTAGTAAAAATAATTG
TT
Sequence 524
ACATTATGAATGAACACAGGATTATGAAATTGTAAAGGTTACTTTCTGCTCTCTAATTCC
TTTACTCGTAATTTTAGTTTTTCTTAACGGTATAACTTGATGCAAATATATACACAGTAGA
TACTAACTTTCACTGAAGTGTTTTCGGGAGGGAGGGGCACTTTACAAGATGTGTTGCCTT
TAGTTTTTCCGGTAAGGAGACAGGAAGACACAGACAGAGGCTCTTAGGGCACATGGAAAG
CGCCTGCCCCTGTGCCAAGAACTTAAAGAGAGAGCCGGGGATGGACCCTCCTTGCTGTGG
CTCCTGAACAGTGCAGCCTCTCTTCTGATGCACTCACCCTGGCGAGGAGAACCGCTTGTG
TGGCGACTGCTTGGCCCAAGAGCGAGTAGGATTGTTGACTCAACTCTCTTCGTGTCTCCT
CAGAGGGGAGGAACACCTGGCTTCACCTGTTTACATAACTCTTGGTGATTCTTGTCCCTA
AGCTCTTCCAGAATGCTCTTTTGGGCTTTTCTCAAAAGGTTTTTAGAAAGAACAAGCTTT
TTG
Sequence 525
ACCGCGGTGGCGGCCGAGGTACTAGTAAGTTCTGGGTAGGGGGTGGATGAGTCCTATGAG
TGGGGGGCCCCAGGCACACAGGAACCATAGTTAACCACTCTTCACCTACAGAAGAGCTCC
TCAGGTCAAAGCTTCACTGTACCTGCCCG
Sequence 526

Table 2

CGAGGTACAATCCTGCCCTCAAGAAGGTTAAGGTCCAGTTGGAGGAGACTTAGGAGTTCA
ACTGACCCAGTTCTGCAACCTTAGGTGGCTGTCCTCATCCTGACAGGAGACAGGGGACAC
ACACAAAACAGTGATTTAGGCGTTAACAAAGTGGCTTTACAAAGGTGTAGACAGAATATA
GGAAATCCAACAAGGCCTGGTGGAGCACCATGAAGCTGGTGACAGCAGGGAACAGTGGCC
TCCTTAGACTTAAGGGGCAAGAGCAGGAAGAGGTTCTGTGGCCCAAAAGGGGTGAGGCAC
ACAGAGAGGGTCTGGACAGGAGCTCTGGTCACCAGCCTCCAAGGACAAGGAGGGAGGCCC
GCCTGGGGAATATGTATCTTGACCTCATCTTCTTCCTCCTTCCAGTCTCCTATTAGAATC
TCCCACCGGTCAACCCCAACCAGANAGCCAGAGGGCAGTGGGGGTCCATTAATGTGATCC
·ACATTAGGGGGCACAGGGCANGGATG
Sequence 527
CGCCCGGGCAGGTACAGGGTTTACTCAGTCCTGTTGTGTAATAGGAAGCAGGAAAGGGCA
AGGGCCCTGGGAACAACCTCAGCCCTGCCACTTACTGGTCATGTAACCCCGAGCAAAATG
ACCACCTCTGAGCCCCAGTCTCCTCTTCTGTAAATGGGTATACCACCACCTACTCATAGG
CTGCGTGATGAGAAATGGAATAATGTCAGGGAGTGCCTGGCATGACGCTGGCACCCTGGA
GGCTCCCCAGGAACGGTGGCTACTGCCTTCAGAAAAACTGAATCTACTTCAACTTATTTT
ACGTAGGTCAAAGCATCCAGTCAGTGAGTAAATCAAGCTGCAAGATTCATTTCTACTTAA
CTTTTAGGAGGAGTCATCCCATGATACCTCGAATAGGTCTCAAAGCACATGCATGATATA
AATGATTCACTGATATGACTCTGGTCAGATGTATGTTCTTATGAAA
Sequence 528
CGAGGTACACCTGTAATGGCTACCCCGCTGGCTCAGAGCTCTGCCTCACCGCCCTGCCCC
GGCACCTGCAAGCCAGTGTGCCACTTTTTTGATGTTGTATGTTTTTAATATTCCCTGAGA
CAGACTCCAGAGTTCTGAGTTTTCTTACTTGGGGTGTCAAATTATATTCCAGGAACCAAT
TTGGGTTTTCCTGGCTTCTGGTTAAAAAGCTGGACAGATTTTGAGTTGTTTGCTCTTAGT
TCTCTCATAAACTGCACTATTTTTAGGGCACTATTTTGTAGAACACAAGATTTTTTCAGGA
AGTATATTGAAAGGCCTGTACCTGCCCGGGCGGCCGCCCGGGCAGGTACTTNNNNTTTNT
NTNTNNTNNNNTTNNNAAAAGGGNGGNGCTGGTTATTTTTAAAATCACACATTGAATACAC
ACAACAATCAGATTTCTTACCAAACCCCCAATTTTTTAATAACTGGCTCTATTTANCACC
AAAAACTCCAGTCTGGNGGGAAGTGCCAGACACAAACTTNACTTTTGGNTNTTGGGCNAN
GCAATCCATCAAGGGNAATTGGTTANGGTCAAGGACTTGCCCTTTTTTTCCTT
Sequence 529
CGCCCGGGCAGGTACATGCGGTTTCTTTGGGCAGGAACACCCTCCCTTCTACCATGGTCT
GTAGGAATTGAACCTTCCGTGCCGTTTTCAAATGCTGTCTGTGCTCGGAAAATACATAAT
ATCAAGTCCCTTACTGAACCCCCTACAGATTGTGTTCATAAGGTGCTTCACTGCTGTTGG
TCTACCTGGCCTACTGTTTGTACCT
Sequence 530
·CGCCCGGGCAGGTACTGTGGCATGTCACACTACAAGGAGCAGAAAGAACAGCTCCTCTAA
TATAGAATTGCCAGGGTACACTGGCAGGTCATCATAAGCTGCCCTGGCTCTATAGAGCTC
CAGCATTCAGACTAGGAACCAATGCACGCGTGCAGCCATGCTTGTCAGTAATAAACTTCC
CTGGACTTATACTAAAACCGTATTTTATTGATATGTCCAGTATGTTTTAAGAAAACAGTC
TCAAACTCGGGTCTATCTAATATTACCAGCCACTTAACACTATGTGATAACTTTTTTATGC
TTTCAGCCCTGGATATTCTTTGAAGAATATTTTCTATAAGGAGTTCTAAAATCCTTCGAT
CCTCATATTGATACAAAAAAATTAAACACATGAACAAAATCTCTGTGCTTCACACAAAGG
TGAGATCCAACCTGTGGCCCCATACAGTCACCAGTGTCATCAAATAGGCCACTACAGTGT
ANGGGGATGCAGGGGCAGCTTCAAGCCATGAATGAGACAGCATTACACTCTGTATACACA
GTGCCCTAGAATATCTGTGTGAAACAGGTGGANGAAAAAAAGATGACTAATTTGTGTGTG
TGTGTGTGTGTGTGTGANAAAANAGAGAGAGAGAGAAAGACCGAGAGGAGGTGAAAGG
TTNCATTTGGTGGTGGGCATTGNCTTTTNACTTNTTTTTCATAGGCNTNAANAAAATTC
Sequence 531
CCGCGGTGGCGGCCCGCCCGGGCAGGTACATGAGTCCCTTCAGGAAGTCATCAGCTTTGT

Table 2

TCAGTTTCCTCAGATTAGATAGTAAAACTGAGATTATGAACTATAAAGATGTGTGTAATT
TATCTGTCAGTGAACTTGACTTTAATAAAAGCTTTTTGAAAAAGAACTCTGGGTGGGGTG
CATTGGCTCACACACATAGTCCCAACTACTGTGGAGGTCAGGGCAGGAGGATCACTGGAG
CCCAAGAGTCCAAGATCAGCCTGGGCAGGATAGCGAGACCCTGTCTATAGAAAATATTAA
AAATCAGCTAGGCATGGTGGCTTGCCCTTGCATTCCCTGCCACTTGGGAGGCTGAGGTGG
GAGGTTCGCTTGAGCCCAGGAGCTCAAGGCTGCAATGGGCTGTGATCGAACCACTGAATT
CCAACCTGGGTGACAGAGTGAGGCCCTGTCTCAAAAAGAGAACTCTCGATGTCACTGGCT
TTCCATGTAAGCAGAGCACATCATGTGAGCCCCATTCGT
Sequence 532

CGAGGTACAGAACTTAAACACCACTATTTGTTGAGATGAAAAAAAGCATATATAGGAAGC
CTTCAAAATGAAATGGTCAAGGGTGAGTTTACACAGATAGATAGATTTAGGTCTCTTCCT
TTTGCTTTGTGAAAGCATCTAGTGTTTAGGTGTCAGAGAGGGAGATATCCTTACAAAGCA
GAGATTATCATTACAGGTTTACATTTCTTACAAAGAGTTTCAAAATAAACAGGTAAATGC
CAAAAACATATATTTTGGAGACGGATTAATTCACTAGTTGGTCTATTCAACTTAACTTGT
TTCCTAATGAGATTAAATTCATGCACAAATAACCAAACCAAAAATTAAACCAAAAGAATA
CTCACCAGAAAGGATGTNCTTTACAAAGAGCAGATCCCCCAAAAATGTAAGAGTTCACTG
AAAAGGTGGGAGCTCAAACCAAGAGAGGACTTATCTCGCAAGCATAAAAGCAACTTGTCC
TCGGC
Sequence 533

CGAGGTACGCGGGATGGCCCAATATTAAATTGGGCCAATGAATGTCTTCTTTTTCAGTGC
TAAGGGAAAAATAATTTTGGGAGGAAGAGGTAAATACTTAAATACTTAAAACATTTTTCA
TTAAAATGAACTTTTATTGCATTTTTTTCTTTTTTTTAGATTCTTATAATTATTTTTAGAG
ACAAGCTCTCACCATGTTGCCCAGGCTGGTCTCGAACTCCTAAGTTCAAGTGATCCACCC
ACCTTGGCCTCCCAAAGTGCTGGGATTACAGTCCTAAGCTACTGCTCCTGGCCGAGACAT
ACATTTTTATAATGTTAAGAGTTATTTAAAAAAAAAAAATTTAAGGCACGTAATGAAGGGTG
GTTGGTATTCATTACATAAGTGTTTATTCTCTACAAGCGTAGAGAAATGAACACCATCAT
GAAATGAAATAAAAGTA
Sequence 534

CGACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACAAC
TTTTGATACAGTCAATGTTTCTCTCCAGTTTCCGCAAATTGTTAACTTTTTATCATGAAAC
ATGAGATTTGAGGGTGTTTATCCTTTCTTGCATAGAGCACATGAACAGGTGTCAATGCTG
ATCATAGCTAGAAGTAGAGTGGGTCCCATGTGTAACTCCGGATGGCTAAAGAAAGTGTTC
TACTTACAAGAGGATGCTTCATTTGACTAGGATTGGCTCTCAACAAGGCCCGTGCACCTT
AGAAGAAAAAAGTCACTTCTGTCACATAAGAGCTCAACTGATTCACTCAACTTCAAAAGG
GCACTGAGAATGCCATGCTTTGAAAAACATACAAAACAGTAAGAGGAGCAGAGAAAAGCT
TGATGTGTTTTTCTCAAATGACACAAAACAATTTGTCTCTACAGGTTTAAGGAAAATCAA
TTAAAACATAATCTGTAGATCAGGAGTGGTAGCTACTTAAATACCAAAAAAGGAAAATAA
CCCCAAATNGAAAAGAC
Sequence 535

CCGCGGTGGCGGCCCGAGGTACGTGTTTCAAGTCACTGGGCTGACCTGTAACACAGCACA
ACCTTCATAGCCACTGTATGAAGAAGTAGAAGACCCANACTCTTGCTTTATGTTGGTATC
AAAAGTCATTTCAGAGTCAGGCTGATCACTCCCAAGTAACCCACTGACTTCTTTACTCCA
GCTCTCTGTCTGCTGTTGACTCANAATGTTACACTTCATTTTCTCCATTGCTGATATAAT
CATATCTGCAACATAAAAGTGGGCATTTTCCTTTTCTACATCAACAGGCAGCACAAATAC
CTCTGGTGAGAAGGAATTCNAAGAAATGGTTCTTCTACTGACTTGAACAGCACCTTCATC
AGCAGCAGATGTCAGATGGGAAGGCTCAAAAAAAGCACTGTCAGTCTCAGGATATGGGGA
GGTGGCCAAAATNCCANGGCTTGTGGGCAGAGACACCCGATGGGAGTATTCTGGGCGGAC
CATGTGTCCTGCCCG
Sequence 536

Table 2

CCGCGGTGGCGGCCCGCCCGGGCAGGTACTGCCTGAAAGGGCTGTAGGGACTTACCTGTG
TCACCCAGTGTCAGCACATAGGGGCTGAGTGATGCTGGAAACATAGAATAGAGAGCTTCC
TCTGGACTGCTCTCTGGCTGCCTGGGACCCAGGCAGACCTCCTGTTTGATCTCTGCTGGG
GTTGCTGGGAGCAGGAAACACCTACCTCGGGGGCTTTCTCTTGCTAAGGGGAAGGAAGTA
GAGGTTCTGAAACCTACGAAAGTCTCCTGCCCCTGGGTAGAGGATTACAAGACACCAGGG
CTATAGAAGCCACTGGTGCTGTTACCTGGTAGGGGACAGGCCTCCCTGCAGTTGCTGGTG
ATGTGGGCGGACCAGGCCTATAGCTTCTGCTGAGTATGGAGTGGACAACAGGAAGGCCCT
TATGGGCTGCATTGACACTGTACCT
Sequence 537
AGGTACTTTTTTTTTTTTTTTTTTTGATACAGCGAATCACTTGAACCCAGGAGGTGGAGGT
TGCAGTGAGCCAAGATCGCACCATTGCACTCCAGCCTGGACCACAGAGCAAGACTCCATT
TCAAAAAAAAAAAAAAATAGGAAATTAGATCATGGCCTTCTAGAAATAGGCAATATGCCAT
TTCCTCTGTTTATAGCTCTCTACTGGCTTCTTCCTTACACTTAGAACAAAATCATATTTA
TGACCACAAGGCCATACAGGATCTGTCTCAGTGGTTCTCAGTGGGATGTACCTGCCCG
Sequence 538
CCGCGGTGGCGGCCCGAGGTACGCGGGGATGGGTGTGAGTGTGCTCTGCCATGAGAGATT
GTCCTGTTCAGGGCTGGTTCCCACCTCACTCCGTGAGCTGCTGGGATGGGCTCTGGCCAC
CCATGGNCATGAACTGGAAATAAGCAGGTATGGACAAGGTTCTGACCCTTATTATTGGAA
CTCAAATCCAGATGGAGTTTGTTGGGACTTCACATCATTGGAAGGTGAATAGAAAAGTAT
GTCTTAAGAATTTCACCATGTTTTGGAAGAATTGCAGCAAGAAAAAAAGAACTCCTTTGT
TTCCACCCCATTTCTTTTAAGGAAAACCTGGAATATCTGAGGGTGCAAGCTGAGAAAAGT
CTGCTTATCTGTTCCCTACTCTGGCAATCAAAAAGGATCCAAGTCTACTGTTCTCTTCTC
CTGGCACTCTTAACTTGCCACATTGCAAACCTTTTATGGCAAAAGTAATGGTCAAGCTAT
CCTAACAAGGACCAGCCCTTATTAAATAATTCACTGTGGTTGGGAAATGGTGAGGAAGCC
ATCTTCTTTTTGGCTTCTTTTCTCTGAAAAATAAAAATTTTGGCCTAAATTT
Sequence 539
CCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCT
GAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAAC
AATGAGAAGGAGAGAATGCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGAC
TTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCATC
TGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTT
AGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCCATGGTCC
ACTGAAGTTCCTTATGCTACTTTCACTGAGCATCCTATGAAATACACCAGTGAGAAATTC
CTTGAAATTTGCAAGTTGGCTGGGTTCATGTCTAAACTTGTTCCAGCTATCCAGAATGCC
CACAAGA
Sequence 540
GGAGCTCCCCGCGGTGGCGGCNCGCCCGGGCAGGTACGCGGGGGGGATAGGCAATTAATTT
CATGGAGAGTAGGAGGTGTGGGTTCAGCTGCTGCTTTTTTTTTTTTTTCAGTGAGGCATTAT
CTGAATGATGCTCATTCTCTCTTGAGTCTGGACTTCGTGCAACAAGCAGCAACTGGATAT
TATTTTAAAATAAGCATAAGCCACCCAAAGATACTGATCTGGGTCCTTCTTTTGGAAGAA
GAGTTGATTGAGAAGTGCCTCTTGGTTAAGGATTAACCACAGGGAAAAATCCAGCAGAAA
CAGAAGAACTGTGGGTTTCTTACCCCAGCCCTCAAGGAAGCTATGCCGTGAAAGGGGTAC
CTCGGCCGCTCTAGAACTA
Sequence 541
CCGCGGTGGCGGCCGCCCGGGCAGGTACCTGGCCTATTCCTGGCTTTGAAAAAATGGTTT
TCGGACACTAAATCTTTTATTATAATTCAAACACATTATAGTTGCTTCTGGGAGACTTTT
GCCTTTTGCCCTGCTTACAAACTAGCATCATATTCTAAAATCTCAGGAACTAAAATTACT
CATTGTAATTTCTCTAAAATTCAAAGCCTATTGGAATCCCTGCTCTTGTTATGTAAAATA
TAAATATTCGAGACATTTCACACCACATTTTCATTATTCAGCATTCCCATCAAGTGCTGG

Table 2

AAGGCCAGTTCGCTATTTTATAATGAACGTCCTGGGTTTGTTCTGAAAGGGCAGCCTTGT
ACCT
Sequence 542
NGATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGAATGCAAGAATCA
AGTGTGTAATCTCTGTGGATTTAACCCTACACCACATTNGANTGAGATTCAAGAATGGCT
TTGTTTAAATTGCCAAACCCAGAGAGCAATATCAGGACAGCTTGGAGACATACGCAAAAT
GCCACCTGCACCATCAGGACCCAAAGCATCTCCTATGCCTGTTCCTACAGAATCATCATC
TCAGAAAACAGCAGTGCCTCCCCAAGTAAAATTAGTGAAAAAGCAAGAACAAGAAGTAAA
AACGGAAGCTGAAAAAGTCATTCTGGAAAAAGTAAAGGAAACACTATCAATGGAAAAAAT
TCCTCCTATGGTAACCACAGATCAAAAACAAGAAGAGAGTAAACTAGAGAAAGACAAAGC
TTCAGCTCTTCAAGAAAAAAAGCCACTCCCTGAAGAAAAAAAACTAATCCCTGA
Sequence 543
CCGCGGTGGCGGCCGAGGTACCAGAGTCCATGTTCTTAAACCATTAATCTACGATGCCTC
TCAAGTAAATAGTCAATAAGTGGTAGGTGTGAGGCTGTAGGAAAAAGAGGAGACGAAGGG
ACAGGAAAGCAGTCCTCATTGGAAAACTAGGTTTCGACTGGCACTGTTGGACTGGGCTGC
AGTTTAGGTCCTCCCACTGCTGAGTTCCCTCACTTCATCTCCTGGTGCTTCTGGTTTCCC
ATTTATAAAATGCAAGGGAAGGATTCTATTTATGTCACAAGGTGCATCTAAGGAGTAAAA
AGTCACGTCATGTTTGACCAATGTTAGTCAGATCAAGATTTATTTTAGATAAATTATCTG
TTAAGTTTTAATTACCATGACTCAGATTTTATGTTCACTTTTTGGGCAAAGCTAAATAAA
ATATATAAATATATAAAATCTGGGCTCCAAC
Sequence 544
CCGCGGTGGCGGCCGAGGTACCTTTCTTTCCAGGCCATGGCAAAAAAAATCCAATTATGT
CCGTCTTGAGTCTGTGGTCTTGCTTCTTATGTAGTATTTCCTTTGTGAGCTGAAGATTAA
TGCATGGATTCACCTCCTTCAGCACATTTCATTTCAATTGTGAAGAAAAGATTCCAGGCA
CTGAATGTAAAATTGAACATGACATTTTGACATTCCTTCTTCTGAGAGCTGGGTTGGTCT
TAATTGCTGTGAGGCTCTANACACCGACCATACAGGGCGTGGGGCTGCTCCTGGACATGA
ACATCCTCCGAAGTTCTCCCCAGTCCACTTTACCCGCTCTGGGCTCACCTCTGAATGTGT
CTCCCCCCNCGTACCTGCCCG
Sequence 545
CCGCGGTGGCGGCCGAGGTACTCAGAGGTTTCCTGGCTCCAGCCATTGCTCTCGACCTCA
CAGCTACCCATTGGGCCAAGCCACCTCCAGCTCTCACCTGACTTGCTGCAGTGGTCTCCC
AAGAGGTCTCTCCACTCAGTCCCTGCCACCTTCAGCCTGTTCTCAGTGGAGGGGGCCAGA
GTGACCCTGTTAAAACATGAGACCTTTCACGTCCAACCTCAGCTGAGACTTCCCCATGGT
TCCTATCACACTCAGGGTCAAAGTGAGAGTCCCTAAGATGAAACACAAGTAGGGAGAATG
CCCTTCTCAGCTGGACTGGGACAGCTCCAGGGTATCCCTATTGTCCTTGTACCTGCCCG
Sequence 546
CCGGGCAGGTACTGTTCTAGCTAGGGCTTTCAGGTACGATAAGTTCCATTGGAAGGATAA
TTAGAGGGAAAAAATGGTTAGAATTTATAGAAAAGTCTTTATTTGAACAGCTGTCATAGA
AACAAGGAGTAGACAGTCAAGTTNNTACTAAAGGNAGAACTTAAATCAATAANGAAATTA
TAAGAAGGAAGATTTTACCTAAATTTTTAAACAATTTTTTTCCTTTTGGCCAGGCACCATG
GCTCATGCCTATAATCCCAGCAATTTAGGGGGCTGAAACAGGTGGATTACTTNAGTCCAG
GAGTTTGAGACCAGC
Sequence 547
AGGTACTGTGTCATGCTTTTTTACATTGAGCTATGTGCCATTGGGGGTGGGGGGTAAAAGC
TATTCTTATTTTTAAACTCTTCAACATTTTTTAAAGTCTTCAACATGATCTTTATCATGT .
TGTGATGTGACCGCCTAGATTTCCATTTTGAGGCTCTCATATAATNTACTTGACCATGTC
CCTACTGGTTGACAGGAGACCATCATGGTTCCTATGATTTCTCAAAGTGTGACCCCCAAC
AAACACCTGTCCTAGAAACACCTGTCCCANAAACACCCAGTACCTGCCCG
Sequence 548

Table 2

NATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGAGATGTAGTGAATC
TCTGCCTGTGTGGACAAAGAGACACATTCAGAGGTGAGCCCAGAGCGGGTAAAGTGGACT
GGGGAGAACTTCGGAGGATGTTCATGTCCAGGAGCAGCCCCACGCCCTGTATGGTCGGTG
TCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAATGTCAAAATGT
CATGTTCAATTTTACATTCAGTGCCTGGAATCTTTTCTTCACAATTGAAATGAAATGTGC
TGAAGGAGGTGAATCCATGCATTAATCTTCAGCTNACAAAGGAAATACTACATAAGAAGC
AAGACCACAGACTCAAGACGGACATAATTGGATTTTTTTTTGCCATGGCCTGGAAAGAAAG
GTACCT
Sequence 549
NCGCGGTGGCGGCCGAGGTACTGCTGAGAGCACAAAATCATCAATCAAACCGCGGAGAAT
GCAGCAGGCTGCTCCTACAGATCCTGACTTACCACCAGGTTATGTGCAGAGTCTGATTAG
ACGAGTTGTAAATAATGTAAACACTTNGNGGATGAAAATAATGCTCATACCTATAAAATA
CTGTTGGAAAGNATGGATACTCAGTNCCTTTTCCGGTCANATAATTCANCTTTCNTGCCA
GGAATGGTTACTACCACGNTAAGGTTGGAAATTTAATGGGGNATTCCGNGGNCATTGTNC
ANTGGGNNTTNTNTNTCNTGGCCAAAACCTGNAATTATTNGGGNNTGGCCTTGGAGGAAA
AAAGGGGTTNATTCCAAAATTNTTTGTTTCNTTGGAACTTGNNNANCNCTTGGGCCCNCC
GNGNNNNGNGGNCNCCNGNTCCCCGGGNGNNCCAAGGGGTTAACCCACCAA
Sequence 550
GCGGCCGCCCGGGCAGGTACCGAGCTTCAGTAGCAGTCTAACAGGTTCNNGCTGNCTCTT
CCAAAAAGCGGGGACTTATCCTCATGGCTTCAAGGTCACCTGCAGTCCTTAGCTGTCCCG
ATAGACTTNTCTCTCCAAAAGTCCCTATTTTTAGCTGTTTTCACAGGGGCACCCAGAGGC
AAATATTATACAGAAACTGCCACATGTAGACTGTGATAACCCACACCTGCTGGACGGGAA
GTTAACCTTTGTATAAAGAAGAGGGTTGGCTGAGTCAATTTATGACAAGAACAATTTGGA
AAAGGTAATGCTGGAACTACTCAAGTCCTTTCTNAAGCATCCTCCAGCATTTCAGAAGCA
CCTACCAATTAATATGTNAATTACAAACCATTCTCACCTGTTCAGGAAAGGGCCC
Sequence 551
NNATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGTGTGGCCTAAAACAGAAGAATGTT
TAACTGCATGAAGGCAGGGTGCTTTGTATTGCTGGGCTTGGTGTATATTTCTTTGCTATC
TANTTTAATATATTGAGCTTTACATCTGTGCCAGCCTTGCATGTCCATATACCTTTGGCA
GGCATTTCTAGTCAGGTGGCATGGGGCAAGGGGTGTGCTACGTTTTAAGTCCCTCATTTC
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GATTCACTCCACTGGTATCAAGAGTTAGGTTCTGGTGAGAGAGCTGGCAGAAGCTTCAAA
GGACCTTGCGTCTTAGCCCCTCTTTTTTTCCTGTCCTTAACAGCAAGTTGTTGCCTCTAA
TTTTCAGAAAATCGCNGCACATTTNCAGGAAGACCTGAAATGCCNGTGGGACTGCTTC
Sequence 552
ATTGGAGCTCCCCGCGGTGGCGGCCGAGGTGGGAGAATCACCTGAGCTTGGGAACGTTGA
GGTGCAGTGAGCTGAGATCGCACTGCTGCATTCCAGCCAGGGTGATGGGAGTGAGACCGT
GTCTTAAACAAATAATAATAATTTGGGGGTGATGTANACAGAAATAAGGACAGAGGTATG
AAAAGGGAATAATTATTTAGCATTTTACTANGCCAGAGATTTGGGCAGTCCCAAAAAGCA
GCTTTTCTAATCTCCCTCTCCTTTCCCAAAAAAACTTTAATCAAGATCCTTTAGTATCCTA
TCATCTTTGGGTTATTTACATACTACTTTTTGGAGGGGGGATTGTGGAAAGCTATCCGAG
ATCTTTGAAAGCATTGATGATTAGCAAGATGATTATTCCTGTAAGAAGCCCN
Sequence 553
AGGTACTGACTTGCCCAGAGCCTCAGGTCCAGATGAAGGGGAAGTGTATTTGTCCTGTTC
ATTGCATCTCTGAGACCTAATGCTACAGTCCTGCCTTGACCTGTGAAGAGGAAGTCAAAG
GTGTAAACAGTCTCCCACTGGTTCCCTTGCCATCCCATCCCTTGTTGGCCAGCCCTGACT
GTGGCCAGTTCTGCATCCCTACCCGCGTACCTGCCCG
NATGGTCATAGCTTGTTTCCTGTGTGAAAATTGNTATTCCCGNTCAACAATTNCCACACA
AACATACGAGCCCGGGAGCNATAAAGTGTAAAAGCCTGGGGTGCCTTAANGAGTGAAGCT

Table 2

AACTTCACATTAAATTCAGTTGCGCTCACTNGCCGCTTTTCC
Sequence 554
GGAGCTCCACCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGGCTCTCTTCTACTGTCC
CAGCTGTCTCTGTTTTTTAGGCAACTTTCTGTGGCTTTTTCAAGAGTGGAGATTTGGCTG
GAGCAGGATTAGGAAGCCTCCTGCTACACGCTTTCCCTGAGAAAAACCTNCTCTCTGGAA
GGGGCCTGAGGTGAAAATGATTCAGAAGGCAGCTGAGGAGTTCTGGAAAGAGCCCCAAAG
ACCAGGCTCTGAGGCCTNCCTGGGCCACTTACTAACTAAATGGGAGAAGATTACTTGAGA
AAAAGCCTTNACAGTGCCCACCATTGATACCCCATT
Sequence 555
CCGCGGTGGCGGCCCGAGGTACTGTTTCACTTTCATCACCAGTAGGTAATTATTACTATT
ATATAAGTTTCTAAAAGGTTTGTTTTTGCATATTCAAATAAATATGAATTTCCATCTTCT
TTTACTCAAATGGTGGCATATTATACACACAGTTTTTTTTGAGACAGAGTTTTGTTCTTG
TTGCCCAGGCTGGAGTGCAGTGGCGCAATCTCGGCTCACCACAACCTCCATCTCCCGAGT
TCAAGCGATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGATTACAGGCATGGTGCCACCA
CGCCTGGCTAATTTTGTATTTTTAGTAGGGACCAAGTTTCCCTA
Sequence 556
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CATTTTATGAGTCAAAGCAAGTCTCTTAGCCCCACTTCACTTTAATAGGGCAGGTATCAC
TAGCCCTAATGACCACTTCAAGGGGTAGAATATGAGGCTGTTAATATTAAGGAAACAACT
CTGAAGTCTAACATTATTGAAACCAGCATTCTGGTAAACACAGACAAACTATCAAAGACA
ATAATAATAGGATCATAAAAGTTTCAGAAAGCACAGACACGGCTGAAACACTAACACCCA
ACTGGCAATGGAATCATTCCTTGCCCTGCC
Sequence 557
NCGAGGTACATCAGGCAGTCACTGCTCCCGTCATACCGGGCACATTTCACCCACAGGCCT
GTGTAAACAGTCAGGTTCTTCTCGTTTCTGTTGAATGTGATCAATCGTAATTTTCTCCAG
TTGGGAAGCAGAGTCCCTGCAAAGAGGCCTGCTACTGAGGCGATTCCACACAGGAAGGAA
AGGACTGTGGCTGCGTGGACATCCCGACAGCCCATGGCAGGCAAGCTTGTGGAGTACCTG
CCCG
Sequence 558
ANGTNCCANGTNCNAGCCTGGGCCTTAAGAGGTCTTGCTTGCTTCTGTTCCCTTTGGAAC
TCTGTTACTGCTGTGAGCACGTGAACAGGCTCACTTGGTGGAAGGGGAGCAGCTAAATGG
AGCAGAGCCAAGTCATTTTACTTGAGTCTGGCCCTCTCAGACCAGCCGTCAGCCAGCTGA
CCAAAAATGTGTTAAGACAGAACAGCCAACATCAGCAGAGCCACCTACCTAACTTGTACC
TGCCCG
Sequence 559
AGGTACTAGAGAAGACACCAGGATGGCCAGGAGACAATGGCAGCATTAGAAGGCCCTAGT
TGAACAGAATATATAATTTCATTTAACAGCTGCCGAAGCTCATTACGCTGGCATGAATGA
TTCTTTACAACCACAAAAAGAAAGAAAAACAGACAGCAGCCTATTTACAGATGCAGTGAG
AGCTGTCCCTTGCTTTCCAGCTTTCAAGGGAAGCAAAACATGTCTGCATAATAACTTTAA
CCTATAATTCAACGCTATTTAAAAGTGTAGCTTGCCATAAGCTTACAGGGATATTTTTAT
ACTACATTTTCAAAACCTCCACAATCTCTCAGCAGTTTCTGACTGGATTGCTTCCAGGCT
TGCTGCTACCTGCTGCGGGGCCAATCAAGGCAGCAATCTANCCAGCACAGGCATTCTTTT
NTGGCNCCCACCCTTCTTGGCACTCAAACATTTTCTATCCAAACATACTTTGCATATCTT
CATGTTTTCAACCTGAGGAAAGTATAGCTCAAATGCCTT
Sequence 560
CCGGGCAGGTACCAGCCAGTTTTGAGATATACCTGGTTTGCTTTAATGTTATTAAATTGT
NNNNGGTGAGTTTTGCAAATGGACAATTGAACTTTGTTCTGCCAAATTCTTTTTTATTGC
ATTTAAACTTCANGGNTTTTTATTTCCGGCTTATTATGAATGGATTAGTCATTTTGTGAA
TATAACTCTTCATTGAGTTTAGGGAGAAATANGACGTTAGATCCGAAGATGCTNTTTGTT

Table 2

TAATNACCAGAATGGACAAAATTATACTTCATTTACTATCANGGAGGCATGGGGAGAATA
GAGGCCTAGGGGTAGCCGTCTTGTGGCTCTTACTGGTTTTGTGNATNTGGTTTTTTTTT
Sequence 561
CCGGGCAGGTACACTCAGTGCCTTACACGTGTTGTTTCATTTCATCTTCACAATAGCCTT
AGGAGATAGGTGCCATCATTTCTACTTTATATATGAGGAAACTGATGTGAGGGGACAATG
TGTGCCCAGGCCACCCGATCAGTGATTGGTAGGGCTAGAACTAAACCCAAGGCCTGTGAC
TCCAAATCCCACCTTTTCACAAACCAGAGTGCCTCGACAGCCAAGTCTTCAATACTAATT
TACTCAGGGTGTTTGTAATAAAATATGAGGGTAAGAGAGGTCAATGTTTTTTTTTTTGAAC
ATTGAGATTCTTCAGAACCACACAACTGTCTAGAGCTATGCT
Sequence 562
CCGGGCAGGTACCATTCTCCAGGCACATACAACATGAAATATCATACAGCTGTGAAAGAT
CTGGTGGAAAGCTGGAATATTGAGGAAGAAACATTTTTTGAAAATTATTTCTCTCTCTAA
GTCAGTAAATGTTTGATATAATTCTGAGTGCATGGCTGTAGTCTGAAAGTTTATGTGCCC
CTAAAATTAATATGTCAAAATCCTAACACCCATGGTGATGATATCAGGAGGTAGGGCCTT
TGGGAAAGTAATTAGGTCATTAAATTAATAAGGAAATCGTATCCTTTTTTTTTTTTTTGAGA
CGTAGTCTCGCTCTGTTGTCCAGGCTGGAGTGCAGTGGCACAATCTTGGCTCACTGCAAC
CTCCGCCTCCTAGGTTCAAGCGATTCTGCTGTCTCAGGCTCCTGAGTAGTTGGGATTACA
GGAGCCTGCCACCACGCCCAGCTAAGTTTTGTATTTTTAGTAGAGACTGGGTTTCACCAT
GTTGGCCAGCCT
Sequence 563
CCGGGCAGGTACAGCTGGATGTTGACATAGTCAGGTCTGTTCTCTTGCCAAAACTTGTTA
TGCAACATACAGAGTAAATCTGCAAACCAACGGAAGGACTGGATATCTCTGCATACCCAA
ATAAAGTATAGTCTTCTAAGCTTGTATGGTTTCCAGTCATCCAACAGGGTGTTGAGTATT
GATGCAAATGGAGTTACTCCAATGCCTCCAGCCACGCAGAGGCTGACCTCATAGTTCAGT
GATTCCTCAAATGGACTTCCAAAAGGACCATCAATATACAGCTTGGGATAATTTCTAGAT
TGAATGAAGGGCAGAATTTCGGAGTCTTGACTAGATGAAGGCAGTAGTAAATCTCGAAAT
CGTTCTGTCCAGTCTCCTACTATTTTAAGATGAACCCCAAATGTTGCTTTGGTTTCAGTT
GGACACATTGTGAGGGTAAATGGATGATTTTCTAATGCAGATACACTGGGACAATGTAGA
GTAATATACTGACCAGGTCTTGCTTTAAAAATTTTCTTTTGACCATTCGGATTTCCATG
Sequence 564
CCGGGCAGGTACGCGGGTATGACGAGCCTGTGGCTTTCAAGCTGTGGACATCTGGCCTAG
CTAGATTTCTACTTTTGTTTGTTTGTTTGGGTTGTGTTTTCCCCCCATTTCTCAGAAAGT
GAAAGAGAAATAAGAATTGGCAGAATGTTGCGAAAGCACGGCACATCTTTGGCCAAGTGA
GGGGTGAGAAGGCCCTGATGTGTCTTCAAGATTCATCTGGGGAACCCCCTAATGCTACTT
CTTAGAAATGCTTCTGCATTTAGAGCAGCCAGATGAGGTTGTGTTAACTTTTGGGGTTTC
TGAAGGCCTTTGGCTTCTTCCTCTTGGTCTAAACAGAAGTTCAAAATNNNACATNAAAAA
AANATNTAAGTACCTNGGCCGCTCTANAACTAGTGGATTCCCCCGGGCTGCA
Sequence 565
TCGGCTCCCAGCTACTCACAGAGAACGTTTCTGTTTCTGACAGCAGAGTAAGAGAAGAGG
TGAGAAGAGAGACAGCCCATTCTCTTTTGGCCTAATTCCTAAGGAATCATGCCTCTGCCT
TCGGGCCATTCTCAAGTCTTGTTCAAGGATAAAATGATTTATTGATGGCCGTAATTAAAA
AGCAATGCCAACGGAAGCAGCGTCAGCATTTTTCATTTATACCT
Sequence 566
AGGTACGCGGGGTGTTTTTGAAAGGGTCTGATAGGAATTGCAATGGTATAGGTTAAGTAA
GATAAAGTCACATTTACTGAGTGGGCTCTTTGGGGACAGCATACATCAGAGCATATAGTC
TTCTTGGTCTAGCAAAGAATAATGGTTATGAAAATTAACCATTTAGGGCTAGAGAAGGTC
TTGGAAATTGTATAGCCAAGCCTCTTCATTTTGTCAGTGAGGGGATTGATTCTCCAGCTG
ATTTAGGTCTAAATCTGTGACAATGATTTATATACCTATTCATGATCACTTAACTGGTAT
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Table 2

TTACTCCACAACAGCTCCATAGGTAGGTGTATTATTATCCCGCTTGTAAAGATGAAGAAA
CTAAGGTAAGAGAGTGTAGTTCACT
Sequence 567
ANGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACACAGTTAACCACAAAACAG
GCCTCTCTGAAAAAGCCATTGCCATGGACTGCCAGACAGACAATGACAAGACACAAATAC
CTTCTGGTGTGTGAGCCACGGGACATGTGAGCTTCCCCGCTGATGCTCCTCTTATATCAA
AGATCACTTTCACAAGATGAGCGACTCAATATCTTTTATCAAACCAATGATCACCTGCAA
GCTATGGTATATTTTTGCAGCTGTGTAGAGCTATGTGGCATGAGAATGTGGGACTTATAA
ATTGCTGATCCAATAAATAGACATTATGGGCAACAGTGTCTTATCAAGCTAGTGTGTACC
TGCCCG
Sequence 568
TCGATAGAGCGCCTGCGNGCGCNCANNACCTGNCGCACGAACGCCANAACACCNTNGATC
AACTGTGGGAGAGCTTGTCTCAGATAAGGTCACATCTGAGATACNGGGGGTCANGATTCT
ACATGTGAGTCTGGGAAGACACTGTTCACCCCTTAACATCTCTGTTCTNCAGGGTCTTNA
AATATANTTTNGGGTGCAAGGAAAGGCAGCTAAGTACCAAGTTAATTATNAGAAGGACCA
GTTTTGAGGATTTCAGGAAAAAANAAAAAAAAAAAAAAAAAANGTGCGGCCGCTANACTAG
T
Sequence 569
AGGTACCATTTCCCCTTAAGCAAGCAGGATTGCAGGTGGGCTACTGCGCTAAGTTTTTAG
CAAAAGAAAAGTAATCTGATTTGAATCAGGACTCATGGCAACTCTAAATCACGTATAGTT
TTTCTCATCAGTTAAATAATAAAATGACAAAACTGTTTCGGTAAAATTCTGATTTTAAAG
ATAAAATATTATTATAATTGATATTGAAGAAAGCAAACAACGTTCATTGCAGGACTCCTA
GTTGCATATTTTCTTGTAGAAGATATTTTCTTGAACCGTCTTCAATTATTGGGAAAAAAT
CCATGTTTCAAGAGTTCCACAGGCTGTACCTGCCCG
Sequence 570
AGGTACTGGGGAGAACTCAGAGAAGAAAGGGGATGCACTGCTGGGCCTCATGAGTTGGCT
TATACTTCACCTTGAGCTAAGCATACTAATACCCAGTCCAGGCAGCATTGAACAGCTCCG
CGCAGATCTCACCCTCCAAAAAACAGGAAGAAAAAGCCCTCTCACTGCAAGCAAGATCCA
AAGAGAGAAGAGCAAGGGAGGGGCTGATGTGAGCATGCCCAGATCCATCCCCCACCCATA
TTCGCCACCAAGGGCGGAGACAGGCAAAGAGGGCCCCTGTCCTGGAAATCCCTCCATGAG
GAAGCAGTGAAGGATGCAGGGCCCACTCTGTCAGTGTCTAGTGTTCCACCGATCCTACAT
AGTAATTTTTGAAAGACGATAGCATGATGTTCCTGAAAGGAAAAAAAAAGTTTCCTCTATG
AGGTCATTAACATATATCTTGAGTGACTTTATTGGNCNTCTGGGTCATTTTGACATTTT
Sequence 571
AGGTACCATTCTCCTTCAGGCTGGCTCTATGTTCTTCATGGGCAGCGTCTCCACGGTCAT
GCACCATGCCGCTGGCTTCTGGACCCCGAAGGTGCTATGGAGCCCAGCTCCATTCCACTG
AGTCCAAAACTCACGAATACAGAGGCCACCAGCACTACTGAAATGCCAGCAGGGTGTGTC
GGCATTTGGAGGGCCTTCCAGCAAAGCTTTGAACATGCTATAATTGCTCCAATATAACAA
GTGATGTTCCAATTAATAAGATAATTTACAGCAATCCACAGTCTCTGCCACAGGTGGTTN
TTTCTTCAAGAGGGCTGTCCCGGGACAGAACTGGGACAATGCTTGAAGCTTCTCATCNTG
TCCCCTCTGCCCATAAATTAACTCCTGTCTTCATAAGGGANAATAAATNTTAAGGAAAAT
AAACCAATTTGTGCTCTTNAGGGGGGAAANGGANGGGGAAACAAAACACTTTGGGGAGGT
TCAAGAAAAAGACCCTTTCCGCTTNAAAAATAGAACNCAAATTTGNTNCCTGGATTTTTA
CTCCTACATTTGNTTTTTNTTCCCCCC
Sequence 572
TCGAGCGGCCGCCCGGGCAGGTACTCACAGAGGAGATGGGCACGAGCTCAAAGCCTAGCA
TCTTTGATCTTACTGTTCACCTGGTAATGTTAAGAAATTGCCCCTTTGTGCTAATCCTCA
GCAGCAGAGAGAGCTATGCAGGTTCAATTACTAAAAAATTCTCCCAATTAATTTTTTGGG
CATTAGTCTCAAAACTGGTTACTCCGTGTGTTGTTCTAATGGTGTTTCTTCTTTTTCCAC

Table 2

AAGGATTTCCTGAGATTGGCATAGTCCCCTAATTAATTGAAAAGGACCTAAAAGAATAAT
TGGAAATATGCTTTTGATGGTTGTTGTATACAAATGTTCTCAGAAGCTTAGGGAAATGGG
TGTGATTTCAGATTTTCACATACATAAAAGGTGCAAGGTCTTCTGAGGGAATGGTTTGCA
TGAGCTTTAATGTATATAGTTCAAAGGACTTACAGATGAATGAATTTGGTTAGTCAAGTA
ACCCATACTAATTGGACAGATGGAGCAAGACATGGATGAAGAACACCATCCTGCCAATCA
ANGTCATTTATAATTT

Sequence 573

TCGAGCGGCCGCCCGGGCAGGTACCATATCCTGGGCTGGTTAAAAACATACCATCCCTGT
GATGGTGATGACCATTGACTTCACTCTTCACAAGAATTTATGTCAACGTGTCCTAGACAT
TTGGTAGTAGAGGTATAGCTGTAGTCCAAACCTCTACCAAGCTATGGTTTCTGAGAGCCC
TGTATGTTAAGTGCCTACGGAATGCTCAGCATAGTCAAAGACACCTTAGATTCACATTAT
ACGAGGAGCCACACTGCAGTTATTCAAGATTAAGCACTGGCTGGAGAAACTGGCTGTATG
AACTCCAGCCTTGGGTGCGCTGTACCTCGGCCGCGACCAC

Sequence 574

CGCCCGGGCAGGTACGTCAAGACACTTTTAAACTATACATGACAGTTCCTTGGGGATCTT
TCTCCAACTCCCTAACCTTAATTATGTCACTCCCAGATATGCTCTCAAAGTATCCTGTAC
TTTTTTTTTTTGAGATATGGGGAGATGGCAAGGAACAAAAAGAGAGGAAAATGGACAGAAA
TGAAAAGGTGAGGTCACCCAAGGCGAACTTAGTCAGCTTGCCAATTTTACCTGGGGTTCA
GACCTCACTCGATTCTTTCCATTTCCATGTCGTGGATGGGGGGGAGGTGCAGGAAAGGGGA
CACTCATCTGGGACTGGGTAACTGTCAAGCCCAATCTAATCAAAACCACCCTAAAGCACA
CAAGGGACTGGAGAAGAACACTAAAAATTTAGAACAAGATATTTAGACAAGATGCTTCCT
AAATTCTGTGAAATTTTCATGAAGTAAGAATTTCCAAACCCAAGNTCATTATCTTCTCTC
TTTCC

Sequence 575

AGGTACTAGTAAGTTCTGGGTAGGGGGTGGATGAGTCCTAGGAGTGGGGGGCCCCAGGCA
CACAGGAACCATAGTTAACCACTCTTCACCTACAGAAGAGCTCCTCAGGTCAAAGCTTCA
CTGTACCTGCCCG

Sequence 576

CCGCGGTGGCGGCCGAGGTACCTTTCTTTCCAGGCCATGGCAAAAAAATCCAATTATGTC
CGTCTTGAGTCTGTGGTCTTGCTTCTTATGTAGTATTTCCTTTGTGAGCTGAAGATTAAT
GCATGGATTCACCTCCTTCAGCACATTTCATTTCAATTGTGAAGAAAAGATTCCAGGCAC
TGAATGTAAAATTGAACATGACATTTTGACATTCCTTCTTCTGAGAGCTGGGTTGGTCTT
AGTTGCTGTGAGGCTCTAGACACCGACCATACAGGGCGTGGGGCTGCTCCTGGACATGAA
CATCCTCCGAAGTTCTCCCCAGTCCACTTTACCCGCTCTGCCCCGCGTACCTGCCCGGGC
GGCCGCTCTAGAACTAAGTGGAT

Sequence 577

AGGTACTTTCTGTGCCCCTCTCCTCACTTCCATCCCTGTCACTCCTAAAGGATCTCCCTC
TCCTGCTAGGATTCTTCAGACCATGATCTGAAAACAACTGATTTAGAGTAAGTAATGCTT
TGGGTGCTCTTCCAAGAATTCTATCCCACCTTTTACTTTTGTGATACCCAGTTAATCCTT
TATGACCTAACTTTCCATTACATCAAAGGAGCATAGGGTCCAGAATCTTACAGGAGTGCA
TGACTTTTCCACAGGCACTTCTGGCTTGCTTGTCAGGCCACCTGAATTAGGTATTGCTTN
TTTCTCTCATAATCAGCCATATGCTAATCCCTCCCGTTCTCTATTGGACAGACCAGAACC
TCTAAGGAGGGGCTGAGCTGCTTGCTTGACGAGACACAAAAGCACTGCTACACAGCAAGA
AGGTTGAACTGTTNGGACACAGGCACTGCGGGGGGGG

Sequence 578

GTCGACCCCGCGTCCGATTCCAGAAACACATCGCTTTCTTCCTCTGTACTGGAGTGTAGC
AACACAAAGACACAGCCAACAATTTCACTTGGTGGTCTGATGAACTCTCATAAATGCCTT
GTTTACAGCATAAGAATGTAAGTACATATTTATATATCTCTCTCTGACAAAATATCCTTT
CCATATATCTGATGGCCATTAATTTGGACTTAACTAGTTTTGTCCAAAAATGAAATTCCA

Table 2

AGGGCCAGGGAAGAATAAAATGTACTTGAAAAATTTCTTCTAACTGGTATAAATATTAAA
TTAAACTTATATGCTAATTGGAACAATAATGGCCCTTTGGATGATTCTACATTACAAGCG
TCAACTGAAATAAGGTCCCCAATTGTCACTGAGAACATCAAAGGGATCTTACTTTGAGGA
ATAAATATGTGATTATAGTGATTATGTGTGAATTGNGGTTATATTCTTCAATAAAAGAAA
CATTGCTGGGATTTACAACTCTCCTCTGGAGACTTAAGTCAAATAAAATTAACACATTAT
TTGAAACACCCACANGGATTCCTGGCAGCCAGAAATAAACCAAATTATTTTTACCCAAAC
C

Sequence 579

CCGGGCAGGTACGCGGGGGGGACTTACAAGATGGATAGGACCTGGTGGCAGCTGTCCTTGA
GGAAGCCAGAGCCTGGAGAGACAGATCTCATGTTATAGCAGAGTACCT

Sequence 580

CCTATAGGGAGTCGACCCCGCGTCCGTTCTAAGCCTGCCCGCCTGGGGCTCTGTAACTAT
GGCTCCTAACGTGGGGAGCCCACAATCTAGCTATATCATGTTAGCGAGAGCTCTTTGTAT
ACTGAAACAATAAACTTACCATCTTGATGAGTTTTACATGTAGAATGGCTTAGGTTATAA
GGTACTGCCACCTCATTCCACTGTTGAGAATTGTCTAATGCAAAGCTCACTTTTTAAACA
TGGATAATTGGACAGTCATGAGTGGATCATCGAAGGGATAAGCAAAATATATGTCAAACT
GAGAATTAATATCTATCAAAACACTTGCTATTATTTGGTAGATGGGAGGTTATTTTATTT
TTAAGAAGTAGATTGGCTGAATGGAAAAGCAAAATGTGGCATAAAATAAAATGGGATATT
GTTCAGCAGTGAAAGGAATAAAGTACTGATATGGACTACAACATGGATGAACCTTGAAAA
CATTATGGCAAAGTGAAAGAAGCCAGTTACAANGCCGGGCACCATGGCTCATGCTTGTAA
TCTCAGCACTTTTGGGAGACCGANGTGGGTGAATCACTTGAGGTCANGAGTTCGAGACCA
GTCTGGACAACCATGGGGAAACCCCCCGTCTCTACTAAAAAAAAAAAAAAA

Sequence 581

AGTCGACCCACGCGTCCGCAGTCACCAGGGAAACAAGCAACATCATCATGGCACAGGTGA
GCAGGGACCTAGAGGGTAAACCAAAGCCCAACATGCAGAGCCATCATAAAGATCTTCACC
CAGAGGGAAAGACTCTGAAATCTGAACATCTATCTATAAGCAACCGCCTTTTCAGTCCTT
TAAAGAAAGGAATTAATAACAAATGTTTTCAAGACATCCACAATTAAAACCACTCATGCA
CCACACACACAGCAACCACCCTGCACACACTGTCTCATTAAACCCAGACACTGAGAAATC
ACTCAAGGCCTTCTCTGCAGTTCAGTAAGGCTCATGATGATGATGAGATCTGTTTTAGAA
AGTAAACTCTTCAGGAGCCAAACTATATTTTCTTTGCACACTTCAGTTGTGTGAGTAAAT
GTGCAGCCCAACTACAGTATGATTACAAAGGACAACCAATGAAACACAAAGTCTGTAAAG
CGGAAGAAGACCACCTGGAGATTTTTTCTTTTCAATCAGCAGAGATTAATTAGCCTACATT
TCTTAGAAATGTGGACTTTACCATAGACAATATTTTTCTTCCCAAGGATGACCATTCTTA
GACNGNCCAATGCTTTCCAATGGTGTGGCCCCCAAAATTTTTGGACCCACTTGTGTAAAA
CCTTTTTT

Sequence 582

GGGAGTCGACCCCGCGTCCGTGCATTTCCAACTGAGGTACCCTGTTCATTTCACTGGGAC
TGGTTAGGCAGTGGGTGCAGCACACGGAGGGCAAGCAGAAGAAGGGTGGGGCATCTCCTC
ACCCAAGAAGTCCAAGGCACGGGCAAGGGAGTCTCCCTTTCCAAGCCAAGAGAAGCTGTA
ATCTACAAGGAACTTAAACAAATTTTCAAGAAAAAAACAAACAACCCCATCAAAAAGTGG
GTGAAGGATATGAACAGAATTTCTCAAAAGAAGACATTTATGCAGCCAACAGACATATGA
AAAAAAGCTCATCATCACTGGTCATTAGAGACATGCAAATCAAAACCACAATGAGATACC
ACCTCATGCCAGTTAGAATGGCAATCATTAAAAAGTCTGGAAACAACAGATGCTGGAGAG
GATGCAGAGAAATCGGAATGCTTTTACACTGTTGGTGGGAGTGTAAATTAGTTCAACCAT
TATGGAAGACAGTNTGGCGATTCCTCAAGAATTATAGAACCAGAAATCCATTTGATCCCA
CAATCCCATTACTTGGTATATATCCCAAAGGATTATTAAATTCATTCCACTATTAAAGAC
CCATGCCCNCCTTATGTTTATTTGCAGCACTTTTTACCAATAGCCAAAGACTTTGGGAAC
CCACCCCAATGCCCCATCAATGATTAGACTGGATTAAAGAAAAAATTCCNCATACNCCAT
GGGGGATACTACCGCAGNCNTTAAAAAAAAGAACCGAGTTCTTTTTTCCTTTGCCNGGGGNC

Table 2

ATTGGGATGAAANCTGGGAAAACCCTTTATTCTTTAGNNNGGCCCCCCCCCCCCCCCCCC
CC

Sequence 583
ACNTTTATAGGGAGTCGACCNACGCGTCCGCGGACGCGTGGGTAAAGAATGGGCAGCCAA
GCCAGGCGTGGTGGCACACACTTTTAATCCCAGCACTTGGGAGGCAGAGGCAGACGGATT
TCTGAGTTCGAGGCCAGCCTGGTCTACAGTGAGTTCCAGGACAGCCAAGGCTACACAGAG
AAACCCTGTCTCGGAAAAAAAAAAAAAAAAGAATGGGCTGCCAATCCACAGCCACCCTGAC
AACGGGGGGTGGGGGTGGGGTAGCTAAAGCCAATTTGAAGAAAGCCCCTATGAAAGGGCG
CTTTTTCCTTCAAGGTACAGACCAGTCCAAAATGTACAGACACCCCTCACTATGAACACA
AACAATCCTGGTGTAAATTACCTAACTACAGTTGGGAAATCTAACTGGCTTTAAAAGGAA
AAGAGAGCCTGCCGTCTTTTTGTGGGTGCCATTTTATNTAGATGGATATATNTTTGAGCT
TTTGGGTCTGTTATGCTT

Sequence 584
GGAGTCGACCCCTCGTCCGCGCCCCCGCCCGGCTAATTTTTTGTATTTTTAGTAGAGACG
GGGTTTCACCGTGTTAACCGGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCGCCTC
GGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCACGCCCGGCTGATTTCATTGTT
TTTTATGTCTGTGTAGTATTCCATGGTGTGTATGTGCTACATTTTCTTTATCCAATTCAC
CATTGATGGGTACTTAGGTTGATACCATGTTTTTGCTGTTGTGAATAGCACTGCAATGAA
TGTATGAGTGCCTGTGTCTTTTTGGTAGAATGATTTGTTTTCCTTTGTGTATATACCCAG
TAATGGGATTGCTGGGTCAGTTGGTAGCTCTGTTTTAAGTTCTCCGAGAAATCTCCAAAC
ACGGTGGAATGTTGGCCTGTAGTTTTCTTTTTTTGGTGTGCCTCTGCCAGATTTTGGTAT
CAAGGATGATGCTGGCTTCATAGAATGAGCTAAAGGAGGANGCCCCTTCTCCATTTTTGG
TATAAGTTTTCAGTAGGAATTGGTAATGAAGTTCTTCTTTGTAACATCTGGGAANAATTT
TGGCTGTGAAACTCAATCTGGGCCAGGNGCTTTTTTTTTGGGTTGGTAAGGTTTTTTTTT
AAAATNACTNGATTCAAGTTTTTGNAAATTTNGGTAATTGCTCTGGTTCAAGGGTTTTTC
ANCTTTCNTTCCTGGGTTCNAATCTTTGGAAGGGTTGGGGGGGTTTCCANGAAACCNTNTC
CATTTTCCCNNTAACATTTTCCTTTTCCTTTTTTTTTTTTT

Sequence 585
CCGCGGTGGCGGCCGCCCGGGCAGGTACTACAGACCCATTTAAAAGGTGAAGAAACTAAT
GGACATAAGTTTCACAGACTCAAAGTCTTACGGAGAGTTTGGTAAACCCAGATCTCAACT
CAGATTTTCCAGTTCTGCTAATTTTCCCCATTCCCCTCTGGTGCTGCCTTTTCAACTTGG
GTTGTCAACAGGCAAATGGGACCAGTGGAAGCATTCAGAGAGAAGATTGATGGTTTTCAG
ATGTTTCTTTCTCTCCCTGACATGATGTCTTAGGCACAACCACAGTATTTCAAGTGGTTG
AAAATCAAGCTGAGCTAATGGGGGCTGGAGTGAGGGTGGAAGGGCAGACCCAGAGACTCA
ATCTACCAGATGCTCATTCTCTTCCAGCACCCACCCTACCCCATCAATTGTTCTGGCACC
CACCACAAAGCCCTAAGAGCCTTGGTGGAAAAAGTCTGGGAAAATACTGTGGTANGGGCC
AATCAAAGTGACGATNGGCCACCACTTANTAAGTTCTNCNATAAACCANGGGCTTCCAAA
GCATTTTNGAAACCTAAGAAGGGTAAATCATTCCATGCAACCGGACATACCAAACAGATG
CTCAGAAGCAATTAAGTACCTTGGGCCGCTCTTANNAACTTAGTGGGATCCCCCCGGGGC
CTGGCAGGGAATTCGANTATTCAANGCTTTATNGATACCCGNTCGANCCTCNAANGGGGG
GGGG

Sequence 586
TAGGGAGTCGACCCCGCGTCCGGCCACCACATATGTGGTAATGTGTTATAAGCAGCAATA
GGAAATTAAAACAATTAGGAAACTGTGATAGGGACAACCCATGTGAGAAGTGACAGTGGA
TAAAGAGAAATTGTTGAACTGCAGAAGTTTCAAGAAGATAGAATTGCTGGGCACATCAGG
GTACGCTTAAGTAAATAAAAAAATAAAATAAAAAGAATTGTTGAGTGTGCTGGCTCACAT
CTGTAATCCCAACACTTTGGGAGGCTGAGGTGGGCGGATCGCTTGAGGCCAGGAGTTCAA
GACCAGCCTGGGCAACACGGCGAAATCCCATCTCTACAAAAAATTCAAAAATTAGCCAGG
CATGGTGGTGCACGCTTGTAGTCCCAGCTACTCAGGAGCTGAGGTGGGAAGATCGCTTGA

Table 2

GCCTGGAGGTCAAGGCTGCAGTGAGCTGTGATTGTGCCACTGCACTCCAGCCTTTTTTTT
GACACAGAGTGAGACTCCATCTCANNNAAAAAAAANNNANNNNGGGAANGGAANNNNNNNNN
ANNNNNANNNGTGCCGGCCGCT
Sequence 587
TTAGGGAGTCGACCCCGCGTCCGCTCAATTCCATGTCCTAAAAGGGAGGTCAGAGAGTTT
TCTGACAAGTCTTATAGGTTGTCAGCACAATTGTGTCAAGGTACTCAACAGTTCTTGAGC
ATTTACTTAAACGAACTTATGAAAGACTGACCCATAAGATAAATGGGTTATATCCACTTA
CAATGAGAGATACCTTTCCAGTGACCTGAAGAAGTGTCTAGAGTACCAAGTGTCCATTAG
GAATGATGAGAGGCAATACTGAGATTAGTCTGTGAAAAAATTAAGTAACTAAAATACTAG
GAATATATGATATGTACATACATCTTCATATATGTTTAAGTTTACAAATATATGTGGTAT
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AGGATGAATACAAAATTTCTGCATTAAAATGAGTGGTACCGTTTGTCCCTCAGTATCTGC
AGAGAATTAGTTCCAGGACCCCCATTTACCAAAACCTG
Sequence 588
GTGGTCGCGGCCGAGGTACTATGGCCTGACTGAGAAGGCCTAGATCCTTGAGAAATCGCC
CCAAGGTTTCATAAAGATCAGCTAAGCAACTCATGTTGTCCTCGCCTTCGCAGTTTTTCT
CATACTGCTTCAATGAATCGAAGTATTCTGTTGCCATTGCACTTTTGTCTTTGCCAACAA
ACTGCCAATAACTCAGCAACTCAGCAAAGTATCCCCTTTTATAAAGGTTTTGAGACACAA
AGAGATTAAGAAGGCAACCATGCAGCTTCTGTTTACTTCCCTGCTGCTGAAAAAGCCACG
GGAGTTCATCTGCGCTTCTCCAAGTCACTCTGTCCTGACTTAGCTGCAAGGTGAAATAGT
TGATTAGCTTTT
Sequence 589
GAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCATGCTGACATTCTGCAAAGTCTGCA
TTCGCAAAGCCTGAAATGATTCCAACTGCTGCTGAAGGACTTTCAATGCTGATTGTGGTT
GGATTNGATTTTNTGATTCTGCTATGCAGCCATATTTTAGCATTCAGAGAAGCAACGGAG
CATANCGTGGTGGTGAANACAGGCAGTCCGGAGCCGCCCTGCTGAATGCCCGCTCCATTC
CTNGCTGNCTGNGTGACCTTANGGAGTTAACCTCTCTGTGCCCGTNTACTCATNTGTTTT
ACTGNANNNCACTTTGCTTTANCCCCTCNNTAAGAATTTAANGATCTTGGAACGCCNGNA
ANGGAGAACCGGGAGTCAAACTTTNATCCTTCTTACCCGGTTGCCGCTTTTTATNGTANC
CACNGGGNTTACCNTGCCCAGGCCGGGAGAAACTGTGCTAACATAANTGGGANCCCCCCN
GGGGGTGCAGGGGAAATTTCTGATATNCAAAGNTTTANTCGNATACCGNTNCGAACCCTC
TGAAGGGGGGGGGGGCCCC
Sequence 590
CCGGGCAGGTACAAGTTACCTACCCTTTCCTTGCCTCAGTTTCCTCCTTTGTGACAATGG
GGACAATAACAGAAACTGCCACACAAGAGGGATGTTAGAGAACTGACCAAGCGAATGTAA
GTAATGACTTGGAGCAACNTATGGCTAAGAGTAAGTTAGGGGTTGTTACGATGACTTTCC
TGAGATAAACAGGGAGATCTTTTTAGCTGNGGGTCAAGTGCANGAGGGACAGTGGGAGCTC
AAGGCCTAATGGAAACTAACACTAATTGTACCTNGGGCCGCTCTAGAAACTAGGTGGATC
CCCCCGGGGCCTGCAGGGAATTTNGATATCAAGCTTATCCGATACCGGTCGACCTCNAGG
GGGGGGGCCCCGGGGACCCCAAGCTTGTTGTTTCCCTTTTTANNTGNAGGGGGNTTTAATNT
GCGGCCGCCTTGNCCGTNAAATCATTGGGTCATTAAGCCTGGNTTTTNCTTGTTNTGGAA
AAAATTTGTNTATTCTNGCNTCCAACAAATTTCCCACAACCAAAACAATACNGAAGCCCG
GGGGNAGCCAANTAAAAAGTGGTTAAAAGGCCNTTGGGGGGGTTGGCCCCTTAAATNGGAG
GTTGGANGCCTTAAAACTTTCAACAATTTTAAATTTGGCGGGTTGGCCGCCTTCAACCTG
GNCCCGGCTTTTTCCNCAAGGTCTGGGGNAAAAAACCATGNTCGGNGGCCCCANNNTTT
GCCATTTTAAANTNGGAATTTCGGGCCCAAACCCCCNCCGGGGGGGAANNAGGGCCGGGTT

Sequence 591

Table 2

CCGCGGTGGCGGCCGAGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTT
TGAGCTCCCACCTTTTCAGTGAACTCTTACATTTTGGGGGATCTGCTCTTGTAAAGGACA
TCCTTTCTGGTGAGTATTCTTTTGGTTTAATTTTTGGTTTGGTTATTTGTGCATGAATTT
AATCTCATTAGGAAACAAGTTAAGTTGAATAGACCAACTAGTGAATTAATCCGTCACCAA
AATATATGTTTTTGGCATTTACCTGTTTATTTTGAAACTCTTTGTAAGAAATGTAAACCT
GTAATGATAATCTCTGCTTTGTAAGGATATCTCCCTCTCTGACACCTAAAACACTAGATG
CTTTCACAAAGCAAAAGGAAGAGACCTAAATCTATCTATCTGTGTAAACTCACCCTTGAC
CATTTCATTTTGAAGGCTTCCTATATATGCTTTTTTTCATCTCAACAAATAGTGGTGTTT
AAGTTCTGTACCT
Sequence 592

TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTAAAAATATAGCA
ATGTGGGTGGGCTCCAAGGACTGTTCCTTCAGACCTCAAATCCACATGCTTATAGAAGAC
CACATAGGTCAGAGCAAACTCTCTACACCTGTCTTTGTCAACTGTCACCCAGTTGAAGAT
CTCTGAAGCTGCATGCCGATTTAGGCCAACAATCAGACTATGTAGCATTTACATTTACAT
TTGTCTGTGTGTGATAACATGAAGCCAGAAGGAAGGAAAATTTGTGGCTGCTGGTTTCCC
TGACAAGCAGTTTGAAGGTCAAAAGAAACCAACCCTGGAGGAACTCGAGTTATGACAGAG
CAATGTTAAGTGTAGACCTAGGAGGGAAGCCTATAGGGCTAGGATAGGGGTGCTAACAGA
TAAAGTGGCAAAGCAAGAGAAGAAGGGAAAGACGGCAGATGAGGAAAGGTGCCCTATCCA
TAGCAGGGATGCAATGCAAAGACAAATCTAAGGTTTCTGTTTCTTCACCACTCCTGGCCT
AGGTCTGGCTTTGCTATTTCCTAGCAGTGTGACTTGTCCTCGGC
Sequence 593

GTGTGTGCCTGTAGTCTCAGTTACTCAGGAGGCTGAGGTGGGGGAATCTCTTGAACCTAG
GAGTTCAAGGCTGCAGTGAGCTATAATCACACCACTGCCCTGCAGTCTGGGCTTCAGAGT
TAGATTTCATCTCATGAATGAGGGAATAAAGGATTAATAGAAGTAGGCAAGCAAAAGGGG
GAATGAAGGGTATTCTAGGCAGAGGGAACAGTAAAGTCTGAGACAAGACGGAGTGGTATG
TTAGAGATACTACAAGACTTTAAGTACCTGCCCG
Sequence 594

AGGTACGCGGGGACATTCAGAGGTGAGCCCAGAGCGGGTAAAGTGGACTGGGGAGAACTT
CGGAGGATGTTCATGTCCAGGAGCAGCCCCACGCCCTGTATGGTCGGTGTCTAGAGCCTC
ACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAATGTCAAAATGTCATGTTCAATT
TTACATTCAGTGCCTAGAATCTTTTCTTCACAATTGAAATGAAATGTGCTGAAGAAGGTG
AATCCATGCATTAATCTTCAGCTCACAAAGGAAATACTACATAAGAAGCAAGACCACAGA
CTCAAGACGGACATAATTGGATTTTTTTTTGCCATGGCCTGGAAAGAAAGGTACCTGCCCG

Sequence 595

AGGTACTTGGTGAAGTGAGATTCAGACTGAGTGGGGTCACAGCACAGGGCACTGTCTTGC
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GTGCAGAAAGAGAAAGAAGAGCCTTGAGGACCAGCCTAGTCAGCCGGGGGCCATTGAGAC
TGCCATGGAAGACTTGAAAGGTCACGTAGCTGTACACTTCTGGAGAGACCATTCAAGGCT
TCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGAATTNTACTGGTCA
CAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTAGGGTTGAGTTGCAGCG
CGCAGCGGATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCGCCTTCCCTG
GGATGTCCCTGGACAAGAGACAAGGAGAAGGCCTTANGATCTACTGGGGGAGTNCGGAGG
AGCAATCTTTTTGTCCCGCTGGAACCCATGGTCACTGAAAGTTCCTTATGCTACTTTCAC
TGAGCATTCTATGGAAATACACCANNGAGGAAAATTCCTTGA
Sequence 596

AGGTACTCAGAGGTTTCCTGGCTCCAGCCATTGCTCTCGACCTCACAGCTACCCATTGGG
CCAAGCCACCTCCAGCTCTCACCTGACTTGCTGCAGTGGTCTCCCAAGAGGTCTCTCCAC
TCAGTCCCTGCCACCTTCAGCCTGTTCTCAGTGGAGGGGGCCAGAGTGACCCTGTTAAAA

Table 2

CATGAGACCTTTCACGTCCAACCTCAGCTCAGACTTCCCCATGGTTCCTATCACACTCAG
GGTCAAAGTGAGAGTCCCTAAGATGACACACAAGTAGGGAGAATGCCCTTCTCGGCTGGA
CTGGGACAGCTCCAGGGTATCCCTATTGTCCTTGTACCTGCCCG

Sequence 597

CAACCGTGCTGGTCACAGGGCCAGAGGCAGAGAGCCCTAACAAGCAGTCAGGGCGCTAAT
GAGGAAGGGGGGGACAACCTGTCCTCTACAGAAAATAATGAGATTAATATGTTCAACAAC
TCCCATCCAGAATCCAGCAGGAAGTTAAACCAAACGACACATGATTCTCTGACGAAGAAA
TAAGAATACGGTTGACTGGTTTTTTATATTTATTTACCTGAAAGCTTCTAATGTTTCTAA
CTAGTGACATATTTCAGGCCAGGAATTCTGTTTGCCTAGATCATGATGTCTAAACACTGC
ACACTTGACCAACTTTGGGATCCAAATAACTAGCTTTGTATGCTCTTGGGCCCTGCAGTA
CCTC

Sequence 598

AGGTACAAACGAACTCTGAAGAGTCGGCCAAGCAGATCACATGACTCATTGAGCTTTAAT
GCCTGCACTGGAGCATAAGCAGGCCTATTTCCTAAATGTGGAAGCATCCAGTATCGCTGA
AACCCTCAGAGCCGAGACAGTCACTCTGTGGAGAGAGAACAGAGGGCTGGGAACCCAGCC
ACGGCCAGGGAACTGGACTCTAAGGACAGCAGCAGAGTCTGCCTTTGCAGCACGTTATAC
AGTTTGCACGTATTACCTTATTTGATTTGATCTCATGAAAACCAGAAAGACGACAGTGAC
TAAGTTCCTAAACCATGAGCACAAGACTTTCTGGAGGAAAAAGGAAAGCCCCAGGAAGAA
GCGGAATTTGTCACCCAGGTCAAGCGAGCTTGCCCTGAGCAAAAAC

Sequence 599

CCGCGGTGGCGGCCGCCCGGGCAGGTATTCAGTCAGCTGCTGGTGAGCAACGTGGCTCCT
GTCCCTATGAAGCTTAAAGTCTAGGGTAAGGCAGACCCTAGGAATTCGGCGCACAGAAGC
CTCTCTGCTGTGATGGAGAAGTAACAGGGACGATGAGGACATAGAGCAGGGAAGGGGGCC
TAGGAAGCTATTCTGGAAGAAGTGAGTTGGTTCCTGAAGTTGAAGCACCTGCAGAGGTGA
GGAGGTGGGGAGCAGAAGTGCAGGATCCATCTGTGCAAAGAGCCTGGGGCCTCAACAACA
TGAACTGTTTTAATCAGATTTGCATTTTAGAAATGATAACCCTAGGCCTGGAGCGGTGGC
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GAAGCAGGAAAATCTCTTAACACAGGAGGCAGAGGACGCAGTGAGCCAAGATCACACCAT
TGCACTCCAGCCTGGGGTGACAGAGCGAGACTCTGTCTAAAAAAAAAAAAAAAAAA

Sequence 600

AGGTACGCGGGGGGGATGGGTGTGGAGGCCGCGGAACTTCTGGCGGGCGCAAGCTATATG
CCTTGTTGATCTTGCCGCATCTTTTTTACTAGATGTCGGCTGAGTGAGTAGCTACAGTTT
TTAACATGTTTAACTTGCGGCCTTCAAAAATTGTTAGCGGACTTTCTCTGTTGCCTCCTC
AGTGAGCTCTGCCCTTTCTCGCAACTCCTTGTCGTCCCACCGCGCCTCTGCACCTCAGAG
GAAGGAGAAGAGTAGCGAGGCCGAGCGGGTTTTTAGATTTCTCTGTGATTACCCCCAGCC
TTGTCTTTTCTGACTTTACCGTCCCCGCTTGGGGTACCTGCCCG

Sequence 601

CCGGGCAGGTACGTAAGTTGAAGTCCAGGAGGGTTCCAGACACAGAGCTTCTGGTGTCTT
CTCCCTGTGGAGTCAGGACTCATTACTCTGCTGTCTTTGATGTGTGACAACAGGCACCAA
CTATCGCCAACTAGAGAAGCTCACCAGAGCTCTGATGTTGGAAGTTTTTATTGGGGCCTC
AGCATGTAGACATGATTGACTGGTTGGTGGATTAACTGTCTACATGGTTAATCTTAGTGT
CCAGGTCAGCTGATACTGCGTGACCAAAAGCTCCTACCCCGAATCCCTTGATTAGTATTT
CTGGCATAGCAAGCCCCCATCAGAAACAAAGACATTCCTCTTAGAGGTAATATAGATTAC
CTTTCAGCACCAGAGGGCAAAGGCCAGACTACTTTTTAGGCAAGTACCT

Sequence 602

AGGTACACGTGCAGCAGAAGGCTGGTAGGATAGTTTCTTCCACATCCATGTGAACCTCAG
AGTCATCTGACCATTGGCCTTGTTCTCTTCCAGGTTCTAGCTGGCCAGAGACTTTTTTGG
CCTCATACTAACTGCAAAATTGCACACAGTTGGCGAATACACCACTGGAAGCCACTGTGG

Table 2

CTGCATTGTCACAGTTCACCAATTGTGCATGTTATTTCCTGCAGTGGGCCCAAGATCACT
GACAGGATGCCGTCGGGGTTGGGCTGAAGGTGGAAACAGCACACTAGCTTGCTGTTTGTG
GCCTCTTTACAACTGCCGGCCCCATCTGAGATCCGGAACCAACACGTTGCTAACCTCAGC
CCATTGGGGCCAGTGGGGCAGCCCGGCAGTGGAACCATANCTTTTCCACACCTATGTCTA
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CCCCAAAAGGGGTNATNTTTNGGGGGGGGGNTNAAACTTTTTTGCCCAAAAAGGGGGGGNA
AAAAAAAAATTTTTTNCCTTNAAAAGGNNCTTTTTTTTTTTTTNAAACCCNGGGGGGGGCANA
AAAGGGGGCCCCGGGAGANNNNTTTTTTTTNTTNTGNNNNCCCCCCTTTNTTTAATAANA
ANAAAATNNGTTTNTTTTTTTTNCAAAAAACNCGNGGGAAAANTTTTTTTTC

Sequence 603

AATTCTCACATGTGCTTATTTTGAAATTAAACCAATGCAAAAGTTTTTACCCTGAGGTGT
TGCTAATTCATGAACCTATTCTCTTGACAGTTTTTCCCTCCAATATAACCTATATCTTAT
TAAATGTCTTTTCTTCTTCTAGATTGTTTCCAATAGTAGCTCAATTTTAGCTTTGTTCAG
GCTCCAAATTAGAAAAACGCTGAGATTAGCCAAATATTTGAACACTGTAAGGTATTAATC
AGTTTAATCTGAAAAAAAAGGTATAAGAACACTTCCTACAGTTCCAGAAAGAGTGAGCTG
TCCTGGCTGAGGGTTATTTNATTAAGCACCTACATGTNTGGACCACTAATGGGGNGGGC
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CCCCCCTTTTTCAGGGGNANAAAAGTTTTTTGNGTTTTNCAANACCCATNGCCCNNTTTTN
AGGCTTTTCTTNAAAATCCCATGGGNTTTNCNTTGGGGCCAAGGGGGCTTTTTTTTTTTN
NCCCCAAAAAATNTGGGGGGGGGGGGAANAAANCCCCNTTAAAANNNCGGGGGGGGCCTTTTT
TTNNNNTNGANATTANNNGGCCCAAAGGANNNANGGGANAACCCGNTNTTCTNTNTTCCC
NATGGGGGGGNGGNGNNTTAAAAACNCCTNTNTTGGGGGNGTTTTTAAAAAAANCCCCCNN
ANAAAANTTTTTTNNAANGNGAAAACCTTNGTGNTNTNNTTGANANCCCCNCCCCCNCTTT
TTTTTTNAAGAGGGGGGGGGNNNNCAAAAAAAAAA

Sequence 604

CCGGGCAGGTACTGCCTTTTTGGAGCTCCTCACGCATCACCATTTCTCTCTACCTATGAT
TCCTTCAGCTTTTGTTAATGCAATTGGCTCGCTTTTTGTTTTGTTGAGTCTTGATTTAAT
TTCCAGGCTTTGCTCTTCCAGCTTTGTCCAGAGACACATCCTGTCCTGTCCTTAAGGACT
TCTGCAAATCAGTAATCACAGATGTTGCGTGCAGTTCACTGATATCTACTCTCCTCGTAT
TTTGGGGTGGCTTACTGCATACCCACGAGTAAGAACTTCTTTGCAATCAACAGGCAATTT
GCTGGGGTGCTGGGGTTTGTTCCATTATCAAACAAACTGGGATTCCTACCCCAGTTCCAT
CACTTACAGGTTGTGTGTGACCTCGGGATGAGTTGCTTAACCTCCTGAGCCTAGNTTTCT
CTGCTGAAATATANAAATCGGCAGCATNACAAATTTTTTAAAACTCNTTACTACCTGTTN
ATTCACTTCANGTTTATGAACTGGGGGCCCTGGGGGGTACCCTTCGGCCCGCCTCTANAA
ACCTAANGTGGGANTTCCCCCCNGGGCCTGCAGGGGAAATTTCGAATATCNAAAGCTTTA
TTCGNANACCCGNNCNAAAACCTCCNAGGGGG

Sequence 605

CCGGGCAGGTACACTCCAGCAATCCATTCTTTAGGTCCTGCTTCCTCAGGAGCTTTATAT
GAGATCTTCTCTTTGAGAAGTGTGTCTTAATTACAAAGTCTCCTTATTCTTTATGCCTTG
AGTCTTGGTGCTGGTTTTGATTTTTCCTCTGCCTATTCTCCTCTTCTCCTGACTGTTGGC
CTGCTCTAGGCCTTGAGGTCTAGCTGTGCCATGATTGATAGCTTCACTCTGAGCCCTGAC
ACTTCACATGGTTGCTGGGATCCACCAACTCTCCCAGGCACTAAGGACTAGCACTTTCTG
GAAAACAACAGCATGCAAGACTTTTTAAACCATGGGCTT

Sequence 606

CGAGGNACTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGGACGGAGTCTCGCTCTGTCGTCCAG
GCTGGAGTGCAGTGGCNCGATCTTGGCTCACTGCAAGCTNTGCCTCCCGGGTTCACGCCA
TTCTCCTACCTCAGCCTCCTGAGTAGCTGGGACCACAGGCGCCCGCCACCATGCCTTTTA
AAAAATNAGCCAAGGCACAGTGGCATGTGTNTGCAGTCCCAGCCACTCAGGAGGCTGAGG

Table 2

CAGGAAAGGACCTGCTTTGAGCCCANGAANAAGNGGGGGGCTNCAATGTCATCCAACTGCN
ACTCTGGCCTGGGGTGACAANANNTGAGACCCAAGAAAAAGGAAAAGGAAAATGGTTAAT
GNNGGTTATAATANTTANGATTTACCANCCCNCCCCCNTTATTTAGTTTTAAATTAAATTT
AAATTACCTAAAATTTAAAATAAAATTTAAANTAATTNTAANAANGGNAGGGAACAAGGG
NNAAAAAANNAATGGGGAANGGGGGGGAAGGGGGGGGAAGAACTTATGNAATTTTAAAAAAAA
AAA
Sequence 607
TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGGGGGCCATTGAGACTGCCATGGAAGA
CTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAGACCATTCAAGGCTTCTGGCTCTTGAC
AAGGATAGACCACTGGAACAATGAGAAGGAGAGAATTCTACTGGTCACAGACAAGACTCT
CTTGATCTGCAAATACGACTTCATCATGCTGAGTTGTGTGCAGCTGCAGCGGATTCCTCT
GAGCGCTGTCTATCGCATCTGCCTGGGCAAGTTCACCTTCCCTGGGATGTCCCTGGACAA
GAGACAAGGAGAAGGCCTCAGGATCTACTGGGGGAGTCCGGAGGAGCAGTCTCTTCTGTC
CCGCTGGAACCCATGGTCCACTGAAGTTCCTTATGCTACTTTCACTGAGCATCCTATGAA
ATACACCAGTGAGAAATTCCTTGAAATTTGCAAGTTGNCTTGGGTTCATGTCTAAAGCTT
GTTCCANCTATCCAGNAATGCCCACAAGAATT
Sequence 608
AGGTACATTATTATTACTCACATGCTGTCATGGAAACAGAAGCCACAGTGGTTGGGTCCT
GTCCAAGGTTAATGGAGGAAGAAGTAGGGAAGCTAGGATTCAGATTCAGATTTCACTATG
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CCTATCTTTTCCTGTGTGTTCTATCTTCCTTCCATCCTCATGGGCACTCATGGGATACCC
CCCTCTCTGTATAGGCATCAGAGTCCATTCAAGTTTCCAATGGTCCTGTGGTCTCCACAA
CCTGGAGGTGCAGATCCATTAGAGAAAGGAGTGCAGGTTNTTGATTGGACATAAGTAACA
GGCCCAGAATCACATCCCCAAATGTTCAGATCAGCCCCAGNATCNCCAGGGCTTTCCAGC
CTTGAACCAATGGGTANGGAACTCTCTGANATGCTANAAACTTAAGCCAGCAACCTGTTN
TTNTTTAAACTTTTNCCAAGTCTTNNTTTAATCAAAAGCTTTTGGGNTTGGGTTTTGGGN
TTTTTGGGNTTTAAACTGGNNACCCAGGAACCTTGCCCGGGNCGNGNCNNNTTTTANNAA
CTAAGTGGGNTCCCCCCGGGGGCNTTGCATGGGAATTNCTGATATTCAAANNCTTTATTC
GATNCCCCGNCCGAACCTTTTGANGGGGGGGG
Sequence 609
AGGTACCTTTCTTTCCAGGCCATGGCAAAAAAAATCCAATTATGTCCGTCTTGAGTCTGA
GGTCTTGCTTCTTATGTAGTATTTCCTTTGNGAGCTGAAGATTAATGCATGGATTCACCT
CCTTCANCACATTTCATTTCAATTGTGAAGAAAAGNATTCCAGGCTCTGAATGTAAAATT
GAACATGACATTTTGACATTCCTTCTTNTGAGAGCTGGGTTGGTCTTAGTTGCTGGTGAG
GCTNTTAGTACACCGGACCATACAGGGNCGTGGGGCTGCTCCCTGGGACATGGAACCATT
NCTCCCGAAGTTTCTCCCCCANTCCACTTTTTAACCNNGCTCCCCCCGGCGNTACCCTTG
CCCCNNGNNCCGGGGCNCCGGCTTTNCTANNAAACTTAAGNTGNGNATNCCCCCCCGGGGN
CCTGGNNAAGNGGAATTTCCCNNNNTTANTTCAAAGGCCNTTTAATTCCNAAATANCNCGG
GTCGAACNCATCTGGAGGGGGGGGGGGGGGGCCCCCG
Sequence 610
AGGTACATCTTCCTCCATGAGTGGATCAAGAAATATTGAGATGGCTAAGCTGGAAATTAC
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GTATTATGCTTTAAGTATATATCCAAGCTGATCAATTAATTACACTTTCACTGATGAGAT
GTCAATTCTACATTTAGCTGAACTCTCATCTGAACTGTGTGGCTTCTCAATGACAGGGCA
TATTAAAGAACATGATGAATGTTTGTAATGTAATGATATAAATTATTATAATGTGTTGCA
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GATTTGCTCCTGTGATTCCCAGATCAGTTTTCTCCTTATCAGTCAGCATATACATATTGG
TATTAACACTTTTTGCAAAAATCATATATAAATGGTTGTAGAATGTTGTTGTCATTCTAC
CAGCAACTGGTTAGTTTTTTGNTCANCGATTAGCTTGNTTTTTCATTTATTTTAAAGAATTT

Table 2

CAGGGCCCAGTCCGTGGGTGGGCTCACCGCCTTGTTAAATTTNCCAGCCNCCTTTGGGGA
AGGGCCGACCCCCGGGCCCGGATCCACCAAGGGTTTAGGGAGGATNCCAAGACCCATTTC
TTGGGCCAANTNCCGGNGNAAAACCCCAATNTTTTACTTTAAAAATTACNAAAAAAAAT
Sequence 611

NCCATAGTGGGAGTTGGGGTTGTTTACCCNACACTTCTAAGGGGATTTTCACAATCGGNT
AANCCCCCGTTAATNCTCACATGGTTATTGCGGCGACCCCCATAGCCCACGGTCCCAAAC
GTGTGCATNTGAATCATCCGAAGCTCTTTCTAAAGGCAGGCTCCCCTGGCCGCCTCTCCT
AATCCGACTCGGTACCT
Sequence 612

CTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACCCTCTTTTCCTCCTTTC
ATGCCCGACATATGCCTTTTTTCCTACTTATTGTGTAAAGTTCTTCATTTGTCATGGCCA
TCGTGAGAAAAATCTGGGGCTTCCCTTTCATCATAAATGACAGGTTTTTTTTCTGCTTCC
AAAATCTAGAATTTTCATATTTGTAACACCTGGAGGTAAGGGTCATGGTGTTAATTATAA
AGAGAGCANAGAGAGTANGCATCTGTAGGAAACATCTNGGGTTTTTTTTAATTATTTGCTG
GAT
Sequence 613

AGGTACTGCAACCGTAAGTGGGGTATATGGTTTCACCGAGAATGTGACATCAGAGCAAAC
ACTAACATCAGCAAAGGAGTATCTCAGAAAAGAGCATTTTAGGCACAGGAAGGAAGAAAT
ACAAAGGGCTATGGGCCTGTAGCTGGCGTTTTCAAGGGACCACAGAGTGAGGGGAGAAGG
AGGGACCAGGTGGTGGTGAGAGAACTGGTATCAGAGGAAGTAGGAATCTGTGGGTTACTC
AAAGGACCTCGGCCTTTACAATGAGTAACATGGCAAAGTTTTTTTAATATTGTTTAAGCC
CAAGAAAGATACTAATTTACACAGTAAGATTTATACTAAAAAAAAACAAACTATGACAGT
TACTATAAAAGAGTAGCTCACCAGTTCAAGTTGAAATGAATTAAAAGGGGCTGGGCACAG
TGGTAGAAAATAATTAAACAAAACATAAAAATTCCTGCCAAAAAGAAGTTTATGTTATAG
TGGGAAGACAGCAAATCCTATCCCACAAACNCCCAATTTTTTTTTTTAA
Sequence 614

CCGGGCAGGTACTATGGCCTCCACACTCACAGGGTCTCAAGTTGCTATGACTGGAAAACA
AACACTATCAACAAAAGAAATTATGGGAAAGAAATAGACTTCAAAATCATCATTTTTCTG
TCAATAGAATACTATGACAATCTTGTCAGGCATGAATATAGGAAGAAGATCGACCGAAAA
TTACGCACATACATTTTGTTCAGGAAGTTGAAGTCCTTTGTAGGCCATTCTTTGATTTTC
CCAGAAAGATCAGTTCTCTTTTGGGGTTTATAGTGGACGGCTTATTAAAAGCTACTTGCT
CTAACATGATTTCTAAGATGTGTATTCTTTGCAGTATCTTTCAACTCACCTTCAGCTGAA
GTAAAAACATCCCAAATAAGGTCAATTTTCATGTTTTTATTAATAA
Sequence 615

AGGTGGGAGGATCACCTGAACCCAAGAGGTTGAGGCTGCAGTGAGCTGTGTCTGTGCCAC
TGAACTCCAGCCTAGGTGACAGAGTGAGACCCCATCTCAAAAAAATAATACTAATAGTAA
TAACCACAGCACTTAATAAAAATAATAGCAGCTAGTATATATCTAGCCACATACTCTACA
CTACACACTGTTCTAAACACGTCTCAAATATCAACTTACTGAATCCTCAAAGCAACCCTC
CGGTTCTCATTCCCATCTTATAGCCGACAAACTGATGCACAGAAAGCTTGAGATGCTTAT
GAATAAGGAGTGAGGTTGGGATTCTCACCCAGGAGGCGGGCTGCAGTGTCTAAGCTCTTC
AATGCAGGGCCCTAAAAAAGTGCCCAAGAATATCCACTGAGAGACACCCCANAGCTGCTC
GACCCTTTTAGGGCCTCAAGGGTGCCTGAGTTGATTTCTGTTGCTTGCAACCCAAGAACC
TGGATTGGTAAAACAGATCACTTTACTGGGTTTTACACTTTTTTGCCAAACTGGGCCGGG
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GTCAGTGGATNNGGGGCATTCAAGGGCAANCTTCATTTTCCAANAACAAGCCATTTTTTC
CC
Sequence 616

CCGGGCAGGTACTCAATCTGTGAAGTGTGTTCTCACAGTGTCCCACACCTCCCNGNGGGG
CTCACCTGCCCACAGCAGTGCTCTCTGCTCTTNAGTCCACCTAGATACTCTCTTCTCTTT

Table 2

GATCTTGAAGNCTCCTTATCCTGACCCATCATTCTTGGAACCACTAACCTATAAAGTAAT
TGCAAATCANACTCCTGTTTCAGGGTCTGTTTCTGAGGATCCTCAACTTCANACACTNTA
AATTNTTTTCATGGTAATGGTAAGGAAAANGCATTATTTTATCTGAAATATTCATTTTTG
CAATCTTTTCATTAATTATCCAATTGTTGAACAGAAAAAAAATTGCTTATTACTTTAAAA
AATGCNCACACATATTNAATATCTGTTTAGAATCATAGATTTCTGGCAAGTCAGCGTNTC
CATAATNGTAAACANATTTTTCTAACANAAAAAAAATAGCTTTAGAGTTTCCCTCACCCTA
TTCATCCCTTAATATTTCATACATTTTAATACAACTTTTTTTNGTATCCCGGNTCCCAAG
CCCAACTGNAACCTANGGAGGCTTTNAAAATTA
Sequence 617
AGGTACCTTCCAGCTCAGTGGATCAATATGACTTTATGAAGCAAAGTAAGGGAAAGAGGT
CACTAAAAACAACGATTTTATACATGAGAAGGTGAAAATTCAAAAACTCCCATTTTTTCA
ACATAAATGGCTCATGTCATGTGCTANGAAACATAAAACCCTAGACTATCTTCCATAAAT
GAAAAGACTAAGGCACAATTCTGTCGTCATGTAATTCAGTCTACTANAAGAGACAGACCC
AAAAAACAAAGAGCAATGCTACTGAGTGATAAGAGCAGTAAGGAAATGTGCTCTCACGGT
TGCAGCTGCTATGGGAACATAGGAGAGGAAGGCATTTTTCTCAAGAACAGTGGGTAGGAT
AATCATAGGAAAATTACAGAGAAAGTGACATTTGAAA
Sequence 618
CCGGGCAGGTACTTTTAGAAGAGACAGGGTTTCACCATGGTGGCCAGGCTGGTCTCGATG
TCTTGACCTCGTGATCTGCCTGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGC
CACCACACCCGGCCTGAATTGCACTTTTGATGGCTGAGCCAAATGCTCATTCTATTTAAT
ATTGCACAGCCTGAACCAAAACCCGTAACATTATAAAGGAAGAGATGAGAGCCATTTCAA
ACTGTGAGAGAAGAGAAGACATCAAGCAAAATCTGGGGGTTTTAGCCAACAGACTTCAGT
CCTGGGGCCTTGCAGCAAAAAAACGCCTCCAGTTGCCCCAGG
Sequence 619
CCGGGCAGGTCGGAGGAGGGGAACCAAGGATGCTCATGGAGTCAGCCCTGGAGATTGTCA
GCAGACATTGTTTCTTTGGGGTAAACAGGAAAAGGAGAGCAGTGGNTGGCACTATGGAGA
GATGGGGTAGAATGGAGGACAGAAAAAGGTGTTCACATGGAAGGCAAAGACTATCTAANA
AGCTAAGAGGAACAGAAGTGGGGAAGACAGAAAAATTTGCCGTGTACCTTN
Sequence 620
CCGGGCAGGTACCTGCTCAAGATGCCTGGCTGAGAGTGTGTGGGAGTCTGGTTGGAGCCC
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GTCATGGTAATTAAAACTAACAGATAATTTATCTAAAATAAATCTTGATCTGACTAACAT
TGGTCAAACATGACGTGACTTTTTACTCCTTAGATGCACCTTGTGACATAAATAGAATCC
TTCCCTTGCATTTTATAAATGGGAAACCAGAAGCACCAGGAGATGAAGTGAGGGAACTCA
NCAGTGGGAGGACCTAAACTGCAGCCCAGTCCAACAGTGCCAGTCGAAACCTAGTTTTCC
AATGAAGGACTGCTTTNCTGTCCCTTCGTCTCCTCT
Sequence 621
CGAGGTACCTGAGAAAGGAAAACAAGGTGAGTCCTATTAATGCTTCCCAGACTGGCCAGA
TTTTCTCACTGCAGCCAGCCCTATCTCACATGTATTAATGTTATAATTTCACATACTGTA
TGATGCTATCCTTTGATTAGCGTTTAGTTTGATGGGAACTCCAAACCATTAAAGAAAATT
CAGGCCAGCCGTGGTGGCGCCGTGCCTGTGGACCCAGCTACTCAGGAGGCTGAAATGGGA
GGATGGCTCAAACTCGAGCAGTCAAGTGAGCCGTTATTGTGCCACTGCACTCCAGCCTGG
GCTGTAACAGAGCAAGACCCCCATCTCTAAAGCAGGAAAAAAAAAAAAAAAAAAAAAAGT
ACCTGCCCG
Sequence 622
GGGGCCATNGAGACTGCCATGGAAGACTTGNAAGGTCACGTATGCTGAGACTTCTGGAGA
GACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAANGAGAG
AATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAG
TTGTGTGCAGCTGCAGCGGATTCCTCTGAGCGCTGTCTATCGCATCTGCCTGGGCAAGTT

Table 2

TCACCTTCCCTGGGATGTCCCTGGACAAGANACAAGGAGAAGGCCTTAGGATCTACTGGG
GGA

Sequence 623

AGGTACCCCAAAACCAGGGGCTGCAGCTCCAGCAATTGGGAAGGCCAAGTTTTCTTGCAC
GCTCCCCAGAAAAGGGGCCAAGTCCATGGGGCTGAGCAGTGATAGACTGCAGACCTCACC
ACCACTGAACCTTGTAGGATAAGGCCCACTAGCCTGGGATGCTAGTGACGCCACCCTAGT
CCTCCTGAGTTCTCCAGCTGGGAGCAGCCCTACACTTCTCCGGCATGCAGCTCCCAAAGA
GAGAGGCAGTCCACCTTTTTGCTGTCTCGCAACCCTGCCTCCTGCTGCTCTCAGGCTTGG
GAGGGTGCACAGCAATTAGGGACTATCACAGAACCCCAGCACAGNGCATCTGGTGAACTT
AAAAAA

Sequence 624

CCGGGCAGGTACGCGGGTGACATACTTTTGGGCCACATTCTTACAATAATTAACTGGAAG
GAATTTAAAGAATTCATAGTATTCTATTCCATTTTAAAAAATAATCTAAACAGACAAACA
TATTCAGTTAAAAGGTGACACTGAGTTAAAAGGCTACCTAATAATTTAGGAATTATTTAT
CCTTCTCTTCTTTGGCCTACTTTTGACATATCTCTAAGAATCATGAGTTAGAATTTTGAA
ATTACATACAAGTAAATGTGTATTGATTAAAGGTGAACAANGTGATTTATCTTATGACTA
TTGAATTAAGTATTAGAAACTTCATGCTACAAATGCCAAAAAACTAANATACTGGCCAAG
AANTTTGGAAATACAGGNGGGCCCTGGGNACAGCATGTGTNTGAACTGTGCTGGNCTGCT
TATTCATGGGAATAAACATG

Sequence 625

AGGTACTTTCAAAGACTTTAGAACCAAATGTCATTCAGCTGAAACCATAATGTATTATAA
ACTACGTCTTCTAGAGCTTTGTTGTCATAGAGTCAAATGAGATGCCAAATGCTAGCAATC
CTATTTAGGAGGCCTACTATTAGGATTTAAAAGAAGTGGACTGCCAGAGATGAATTATGT
GACACAGATGCTAACATCTAGTTATTATGAGTGATCCATTCTGTCATGAGGTAGCACTTG
AAAAACAACCTGGGACAAAAGAACAGGCCTCTGGCACTACTGAATTTTTGGAGAGAGAAA
CCTTTAGAAGTTAGCATGTGGTTCTTTCTGGACATGTTCATTGCCTTAGTTCTCCTTTTG
CAAATATTTTGTAAATATTCATGAAGTGAAATGTAGATGTTTGAAGAAGGCAGATCTGCA
GATCCCCTAAAGAGCATTGTNAGTTATGCTGGGCTGTTCCTACCCTATCCCTCTGNTTAC
CTGCGGCGGCCTCTCAAAANCGTGATCCGTGGTGGCTTTTGTGGGGGGTTTTAAATGTA

Sequence 626

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Sequence 627

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AGTTTTTATGGAGGATGTGGTCTGTGAAATGGCTGATTTGAAACATGAAGGAGGCTGCTT
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Sequence 628

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AGCAGATGTGTGGCCCTCTTGGAATGAACTGCTACATGACATGCTGGTGGTGTATTTGGT
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Table 2

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TCTTGGGCC

Sequence 629

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GAGAGGTCAAGCTATTTNACATCTGGTTTGCCCAAAAAACTGTGCCTGTGTTTTGCTTTA
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Sequence 630

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ANAGTATTTTTACAACATCGCCTCATCTTGGGTTTGCCTGATCTGGGCTGTGTCCCCTCT
ACCATATAAGCTGTAACGAACATACTACAGTAGGCAGATCTCTCTGCTGCTTAAAATAAT
AAAACAATGGAGGCGACAAAAAAAAAAAA

Sequence 631

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TGAGCATCCTATGAAAATACACCAGTGAGAAATTCCCT

Sequence 632

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CTGAGCCAAAGCTGGGCTGGTTTATAAACAGCACCTATGCCTTTTCCATTTGAATTTTTA
CAGCTACCACTTCCTCCACGAGATGACTTGCTCTCTGGATTGGAGGTGTGTCTGCATTTC
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Sequence 633

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ATTTTTGCAGCTGTGTAGAGCTATGTGGCATGAGAATGTGGGACTTATAAATTGCTGATC
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Sequence 634

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Table 2

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Sequence 635
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CTCTGGCCCCAACCCCAGACCTACTTCTGTCCACTAATCCTACAGCTTCCCTTGGTACCT
.GCCCG
Sequence 636
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GCCACCAGGTCCTATCCATCTTGTAAGTCCCCCCGCGTACCTGCCCG
Sequence 637
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Sequence 638
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TGCTGGGTANAAGCAAANGAAAA
Sequence 639
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GAATGTCCCCGCGTACCTGCCCG
Sequence 640
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CTGTTTTGTGGTTAACTGTGTGTACCTGCCCG
Sequence 641
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Table 2

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TGTTTAGATAGCAACAACTTCATANACTGAACCTTTTGGTTGTTTTTCTTTCTCTCCAAC
.TCANAGGTTAAAAA
Sequence 643
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Sequence 645
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Sequence 646
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Sequence 647
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Sequence 648
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Sequence 649
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Table 2

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Sequence 653
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Table 2

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Sequence 655
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Sequence 656
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Sequence 657
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TGCTTGAAC
Sequence 659
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Sequence 660
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Table 2

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Sequence 664
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Sequence 665
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Sequence 666
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Table 2

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Sequence 667

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Sequence 668

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AACCAA

Sequence 669

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AATCTTCAGCTCACAAAGGAAATACTACATAAGAAGCAAGACCACAGACTCAAGACGGAC
ATAATTGGATTTTTTTTTGCCATGGCCTGGAAAGAAAGGTACCTCGGCCGCTCTAGAACTA
GTGGA

Sequence 670

AGGTGTACCACCCAGACCCGGCCAACCGCCCATCCGTCGACGGCCAGCCCATCGTCGCCC
ATACCCTCCTCCAAAGGGGCTTGCCCGTACAGGGCGTCATGGTGATTGCCAACGGCACAG
ACCCAGAGCGGGTGTTGTACACGCCGGATGCGCCCGACGGTTTGAGCTTCCGCGAACTGG
CAGACCAAAACGCACTCAACACCCTGCTGGATAAAAACGAATGGAAGCTCTACACCGCGA
ACCGGAAGTCGCCAGTCAATAAGGATGACGTCGCCAAGGCAAGGGACGCGCTCAAACAGC
AAGCCAGCGCTCTGGGCACCAATCCGG

Sequence 671

GCNNATTGGAGCTCCCCGCGGTGGCGGCCGTGATTTGCCTTTTAACTGAGATTTGCCCCT
GATCTTCAGTGAAGTTCACAGATGTTGCCTTATCAGAAAGTTGGTATTTGGGAAAAGTTT
TCAGAAAATATATCCCCTATATTTAGAATATATATCCCTTATATATAGAGGAAAAAAGTT
TTCTATTTTTCTTTAAAGCAACGCAACTAAATAATGCGACCTATCAAATTGTTTCATCTTA
ATTCAGGGACACAAGAGGAATGCTGCTCTGGAGGACACTAGCATCTATCAAGTGTTTTCT
CGTTCATTGCTAAGTGTACCT

Sequence 672

TGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTAATTAGATCTGCCCATCCGTTA
CTTGGCAGAGGAATGGGCTGGAAATGGGAAAGGGTCAACCTTTCACCTGCTGGACACTCA
AGGTGAGAAGAAAAAGGAAAGGGGCCAAGAACTAACTGTCTGGCTAGACAGTAATCATGG
ACTCAGGCTTTAGGTATTTGATCTTTTAGAATTCCAATTTCTGAAAAATAAAGGTGTTAT
ATGTAATTAAATGGTTGGAAGTGGGAGGAACTTCACATTTAAATAGAAAACTATAAATAA
GCCAATGAAAAGAAAACACTCATAATTATCCAATATAATTTTTTTTATAGTTCATAGATTA
AAATAT

Sequence 673

AGGTACATTTTTACTTGCTTGATCTCTGATTCCCCTCACTGGGTCACCCGCACCTCTGAGT

Table 2

GCCCTCCTCACCCTGCATGAGCCTTGACACCAGGCCCTGAGCCTTTCCTCTGTGTGGTTG
TCCTCACAGTCCTCTGTGTGGGATCCAGAACTAGGCACCAAGCTCCCCACGTAGGAGGGT
GCCCTCCCCATTCCCTCTGCTGAGGCTCGAACCAGCATGTCAGGCTGCTCCCCCATGTGG
ACACCTGACTCTCTTTGGGCTCTTACTCTACACTGGCTGTACCTGCCCG
Sequence 674
CCGGGCAGGTACTGTGCAATGACTGGTGAATCACAGTCTCTAAAGGAAGCTTTTTGAGAT
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GGGAAAAAATAAATGTGTGGGAGGACAGGCAACTGCAACTTTCATTGTTCTTTATTTTCT
TGACCATTGAACTAACTACTTAGATAAACCCTACAACTCTTCTCTTCAATTGCCATTACA
TGTCCACATAGCCTTTTAAAAACTCTAAATTTCACCTCATTCGATTTAGAATTTTTTTTT
TAACTTTACACCTTGTAAGTGATTTGGGGAATGAGTTTCT
Sequence 675
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CAATAATTATTCCTTAAAGATGAAAATAATAGGTATTTTTAAAATCATTTTCAGTGGTTC
CTTAAGAGGGGTGAATCACTCTCCTCCCCTGATAACATTTGGTAGTGTCTGTTGACAATG
CGGTGTTGGGGTGCTGTGGTGCTGTCAGCACCTGATAGGTGAAGACCAGAGATGAACACC
CTATCATGTGCAGAGTAGTCCCCCCAACCAAGAATTATCCA
Sequence 676
CGGGCAGGTACGCGGGGAGATGTAGTGAATCTCTGCCTGTGTGGACAAAGAGACACATTC
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CAGCTCACAAAGGAAATACTACATAAGAAGCAAGACCACAGAC
Sequence 677
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ATTTCCTGACTCTTCTTATGACCCTACGG
Sequence 678
AGGTACACACAGTTAACCACAAAACAGGCCTCTCTGAAAAAGCCATTGCCATGGACTGCC
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TGTGGCATGAGAATGTGGGACTTATAAATTGCTGATCCAATAAATAGACATTATGGGCAA
CAGTGTCTTATCAGCTAGTGTGTACCTGCCCGGGCGGCCGCTCT
Sequence 679
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GACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGANAG
AATTCTACTGGTCACAGACAAGACTCTCTTGATCTGCAAATACGACTTCATCATGCTGAG
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CACCTTCCCTGGGATGTCCCTGGACAAGAGACNAGGAGAAGGCCTTANGATCTACTGGGG
GAGTCCGGAGGAGCAGTCTCTTCTGTCCCGCTGGAACCC
Sequence 680
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Table 2

GTGGGGAGCTTGGTGCCTAGTTCTGGATCCCACACAGAGGACTGTGAGGACAACCACACA
TAGGAAAGGCTCAGGGCCTGGTGTCAAGGCTCATGCAGGGTGAGGAGGGCACTCAGAGGT
GCGGTTGACCCATTGAGGGGAATCANGAGATCAAGCAAGTAAAATGTACCT
Sequence 681
CNNNTACCCTGNNNTGCCANANTTGCNNNNTGGACNTATCACNTCTNGTNCNGNTCCANG
NGGACGNCNANGCTCNCNTACTNNTGTTGANTANTAGGAGAGGGTTNATNCGNATCGCTN
CNGCNNAGTTCANCGGTATATATTCTNNGTATCNTGAACCATAATAGTAATTTGCCTACT
AACTATGTAACATTGAACAAACTACTGTTTTGTGAGCCTGAAAAGTTGGTACCT
Sequence 682
AGGTACACATTCCCTCTNCTGGAGGTTGTCCCTCAGCATGACGCTGACTGATGTTCATCA
AGACTTACTGTCACACTGGCTAGTGCTGCCAAGCCATCTAGACTACAACTTATTCTAGAT
TCACCCTGGAGAGATCTTAGAGGGCATATCTTNTTCACCCAGAGAAGGCATTTATGCCTT
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TGCTACTCAAGGCACCTGTGTTCTGGTGCACCTGGCCCTTTAACTAAAAGATAATGGGGC
AAAGGANAGGGGGGGGAGCAAGTGTAAATACCTCATTGTGGAGCAG
Sequence 683
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GAGGAAAGGCTCAGGGCCTGGTGTCAAGGCTCATGCAGGGTGAGGAGGGCACTCAGAGGT
GCGGGTGACCCAGTGAGGGGAATCAGAGATCAAGCAAGTAAAATGTACCT
Sequence 684
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GACAACCGTCAAAATATCTCTCCAGTTTCTCCATTCACCTGACTGTTACCATAGAGAATA
CAGGTATTCCCACTCTGGCCTGCTGTGTGCAGTGTTTTCTCCTATCAG
Sequence 685
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TCCCCGCTGATGCTCCTCTTATATCAAAGATCACTTTCACAAGATGAGCGACTCAATATC
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TGTGGCATGAGAATGTGGGACTTATAAATTGCTGATCCAATAAATAGACATTATGGGCAA
CAGTGTCTTATCAGCTAGTGTGTACCTGCCCG
Sequence 686
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AAACTGGTCTTCTGTTTTATCAAATACTCCAAATATACGGAAGTAGCAAACATTCACCCC
CTCTTCATTCCCTTAAACTCGATCTACCAAGTCTAGCTTCCGCAGTGCATCATAGAGACA
TTTTAATAGATTCATTTTTTTTTCTCTCTCTCCAAGAGATATTTCAACACTTGCTACGTGC
CAGGCTCTGTACCT
Sequence 687
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TGGGCTTCCCCGCTGATGCTCCTCTTATATCAAAGATCACTTTCACAAGATGAGCGACTC
AATATCTTTTATCAAACCAATGATCACCTGCAAGCTATGGTATATTTTTGCAGCTGTGTA
GAGCTATGTGGCATGAGAATGTGGGACTTATAAATTGCTGGTCCAATAAATAGACATTAT
GGGCAACAGTGTCTTATCAGCTAG
Sequence 688

Table 2

CTTTCCAGGCCATGGCAAAAAAAATCCAATTATGTCCGTCTTGAGTCTGTGGTCTTGCTT
CTTATGTAGNATTTCCTTTGTGAGCTGAANATTAATGCATGGATTCACCTCCTTCAGCAC
ATTTCATTTCAATTGTGAAGAAAAGATTCCAGGCACTGAATGTAAAATTGAACATGACAT
TTTGACATTCCTTCTTCTGAGAGCTGGGTTGGTCTTAGTTGCTGTGAGGCTCTAGACACC
GACCATACAGGGCGTGGGCTGCTCCTGGACATGAACATCCTCCGAAGTTCTCCCCAGTCC
ACTTTACCCCCTNTGGGCTCACCTNTGAATGTCCCCGCGTACCTGCCCG
Sequence 689
AGGTACCTGCCACCACACCTGGCTAATTTTTGTATTTTCAGTAGAGATGGGGTTTCACCA
·TGTTGGCCAGGCTGGTCTCGAACTCCTGACCTCAGGTGATCCGCCCGCCTCGGCCTCCTA
AAGTGCTGGGATTACAGGTGTGAGCCACCACGACCAGCCAGAGGACACTTTCTTAACAAA
ATATTCCCTTTAGGGTAAGATCTTTCCTTAGAAAAGTTATTCATGAATATTTTCTGGTTT
CTAGCTAAAATATAAGCTTATCATATTTATCAAAATATTTCAATTTAACTCTGAAGATAT
TATCACTTGGAATAAAGTTTGTTAAAAATTTGGAAGAAATGCACAAGTTATATTTTGAAA
ACAGTTTTGAAAAGGAGCTATATTTTATTCATATAAATATTAAGAAAATGTTATGAAGTG
AATAGTTATCACTAACTATACTAGATTACTGTACCTGCCC
Sequence 690
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GGTCTTGCTTCTTATGTAGTATTTCCTTTGTGAGCTGAAGATTAATGCATGGATTCACCT
CCTTCAGCACATTTCATTTCAATTGTGAAGAAAAGATTCCAGGCACTGAATGTAAAATTG
AACATGACATTTTGACATTCCTTCTTCTGAGAGCTGGGTTGGTCTTAGTTGCTGTGAGGC
TCTAGACACCGACCATACAGGGCGTGGGGCTGCTCCTGGACATGAACATCCTCCGAAGTT
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Sequence 691
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GTCCTTTCCTTCCTGTGTGGAATCGCCTCAGTAGCAGGCCTCTTTGCAGGGACTCTGCTT
CCCAACTGGAGAAAATTACGATTGATCACATTCAACAGAAACGAGAAGAACCTGACTGTT
TACACAGGCCTGTGGGTGAAATGTGCCCGGTATGACGGGAGCAGTGACTGCCTGATGTAC
CT
Sequence 692
CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGACATTCAGAGGTGAGCCCAGAGGGGG
TAAAGTGGACTGGGGAGAACTTCGGAGGATGTTCATGTCCAGGAGCAGCCCCACGCCCTG
TATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAA
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ACATAAGAAGCAAGACCACAGACTCAAGACGGACATAATTTGGATTTTTTTGCCATGGCC
TGGGAAAGAAAGGTACCT
Sequence 693
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GCACAGCAGGAAGCCAGGCAAGCTCCTGCCATTAGCACACAACGGCAAAAGTGGATGTCT
GTGTCAACATTTCTGAAGACCCAGAATGGGCCGTAGATAGGCATGATTTTCCTAATGACT
TTCGCACACAGGCAAAAAAAATAGTAATGATAACTACTAATATTATAGGTGCTTCCTATGG
CCAGGGGATGTACCT
Sequence 694
CCGCGGTGGCGGCCGAGGTACTGTGCCGAAAGACTTTACAGGTATATCCGGAGCAATAAG
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Table 2

CCTTCATCTAGTCAAGACTCCGAAATTCTGCCCTTNATTCAATTCTAGAAATTATCCCAA
GCTGGATATTGATGGTCCTTTTGGAAGTCCNTTTGAGGGATCACTGAACTATGAGGTCAG
CCTTTGCGTGGCTGGAGGCATTGGAGTAACTCCATTTGCATCAATACTCAACACCCCTGT
TGGATGACTGGNAACCATACAAGCTTNAGAAAGANTNTACTTTNTTTGGGNATGCAGAGA
TATCCAGNCCTTTCGGTNGGTTTGGCAGAATTTACNTCTGNATGNTNGCATAACAAGGNT
·TTGGGCAA
Sequence 695
GTATACGACTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTA
·CGCGGGGAGAACTCCAGCATTTCATCTAGGGGGAGGTGGAAGTGTGGCTTTTAGAGATAA
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TAAGTGAGCTACAGAAATA
Sequence 696
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AAAAACATTTGGCTGGGCTTGGCAGNCTTTGGGGTT
Sequence 697
CGCGGTGGCGGCCGCCCGGGCAGGTACCCGAGAACCTATGTTGGTTGTTACTGGTGGCCT
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TCAGGCTCCTAGATAGCTGCTGTGGCATGGGCAATAGCAGTAGCCATGGCAAGATGATTT
CTCTGGGTCCTAATCTGTGTGCATTGATATTGGCAAGTAGCTGTGATGGGCTGGGCGGGC
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Sequence 698
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TGCTTCAGTTTCCCCCCCTTGTAAAATGGTGGTAATTCCCGCGTACCTGCCCG
Sequence 699
TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACCTGGTTTCAGGT
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AAGTGCTGCCAGACAAGAAGGGGAAAGAGCTGGGGACCTCCAGTGGGGGAGTCAGTCACC
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CCTGCTTTTTCACTGTTACTTAACAGTAGAGGATGACTCAGCCTACCCTCTAGGAGGATT

Table 2

CCTTGGTTTGAANCATCTTGAGTCACCTGAGTGGGTGGAATGAGGCTTANTGACAACACT
ACACTTTTTACAGATTAAAGGATAAAATGGGAAATATTATGAACAACTTATTNCTATNCA
TTTCAACAGCTTNAGATGAAAATAGNAAAAATTCCTTTAATGATACCACATTACCCAAAG
TTTTCTCAAAAAAGAAATAAGATAAGCTGTNTANTCCCTACNCTTCTTTTAAAAAT
Sequence 700
CGCGGTGGCGGCCCGCCCGGGCAGGTACCTAACCCCGAGTGTTAGCTTCCTTTGCATACT
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ACACTCAGTGCGGATTATAGATCCAAGAACACAGACTTTCTTAAAGTATGAGGCTTACAG
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Sequence 701
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GGGGATCATCCCTTGGAA
Sequence 702
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Sequence 703
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CNTANCAATATTNTCTTTGCAGCANCATGGGGGGGGG
Sequence 704
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ATGCCATTCGCCACACAAAAACACTTGGGATTCATTCCTAGATACCNNAATTCATCCCAA

Table 2

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GGGAAAGANCATACCAACTTTANCCTTNGGTTTTTCTTT
Sequence 705
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CTTCTGGTGTGTGAGCCACGGGACATGTGAGCTTCCCGCTGATGCTCCTCTTATATCAAA
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TTGCTGATCCAATAAATAGACATTATGGGCAACAGTGTCTTATCAGCTAGTGTGTACCTT
GCCCGGGCG
Sequence 706
GACTACTATAGGGGCGAATNGGAGCTCCCCGCGGTGGCGGCCCGCCCGGGCAGGTACCCC
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GGGCTTCACACCCATCCCCCCCGCGTACCT
Sequence 707
TACTATAGGGCGAATNGGAGCTCCCCGCGGTGGCGGCCGAGGTACTTGCCTAAAAAGTAG
TCTGGCCTTTGCCCTCTGGTGCTGAAAGGTAATCTATATTACCTCTAAGAGGAATGTCTA
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NCTGGACTTCAACTTACGTACCTGCCCGGCG
Sequence 708
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TGATCTTTATCATGTTGTGATGTGACCGCTAGATTTCCATTTTGAGGCTCTCATATAATT
TACTTGACCAAGTCCCTACTGGTTGACAGGAGACCATCATGGTTCCTATGATTTCTCAAA
GTGTGACCCCCAACAAACACAGTGTCCTAGAAACACCTGTCCCAGAAACACCCAGTACCT
GCCCG
Sequence 709
ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGACGTTA
AGAACTGGACTTACAAGATGGATANGACCTGGTGGCAACTGTCCTTGAGGAAGCCGGAGC
CTGGAGAGACAGATCTCATGTTATAGCAGAGTACCT
Sequence 710
AGGTACATTACCCTACGCTCCAAGCGCAGCAAGCCGGCCAATATCCGTGGCACCGTGAAG
CCCAAGCGCAGGAAAAAGCATGCAGTGGCATCGGCTGCCCCAGGGCAGGAGGCTTTGGTC
GGACCATCCCTTCAGCCGCAGGAAGCGGCAAGGGAAGCTGATGCTGTAGCACCTGGGTAC
CTGCCCG

Table 2

Sequence 711
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CTATGGTTCCTGTGTGCCTGGGGCCCCCCACTCCTAGGACTCATCCACCCCCTACCCAGA
ACTTACTAGTACCT
Sequence 712
GGGGCCATTGAGACTGCCATGGAAGACTTGAAAGGTCACGTAGCTGAGACTTCTGGAGAG
ACCATTCAAGGCTTCTGGCTCTTGACAAAGATAGACCACTGGAACAATGAGAAGGAGAGA
ATTCTACTGGTCACAGACAAGACTCTCTAGATCTGCAAATACGACTTCATCATGCTTGAG
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Sequence 715
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Table 2

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TGCCCG
Sequence 727
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Table 2

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Sequence 730
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Table 2

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Sequence 736
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Sequence 740
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CG
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Sequence 742
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Table 2

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Table 2

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Sequence 751
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Sequence 755
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Sequence 756
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Table 2

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Sequence 758
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CCCG

Sequence 759
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TACCT

Sequence 760
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Sequence 762
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Sequence 763

Table 2

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Sequence 765
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TCAAATTTATATTCCTTTTCTCAATAGTGATGTTGAAATTCACATAATATGCTTATCGGA
GATACGTATTCTTCATTTTTGAGCTGTATTGACTCAGTTTTAGTGACATAACTCAATTTT
TTCAAAAAACAATTTTAAACACATAGTAAATTGAATCATAAAACCTATAAGTATTACTAG
CCTTTTAACATTGNTTGATTTCCCCATGCTTGCTTGTGGGTGGAGCAGTTAAATTTTCAA
CATGAGCACAAAGGATACNGTTAGAAAATTCTACTTTAAAAATATTATTCAAGGCCGGGC
ACAGTGGCTCATGCCTGTAATCCCAGCACTTTGGGAGGTCGAGGCAGGTGG
Sequence 766
CCGCGGTGGCGGTTTTTTTTTCCCCCTTGTAAATTTCTATACATGTCAAAGGCTACCAACT
CATTTTTATTTAGAGTTTGAGATTTGATTTGAAAAATATACTGCAGCCAGCTATATGAAA
AACATAAGAGGATATTGTTGACTTTTGATGAAGGGAAGAAAGAACAAGGTAGAGCTGCCT
AGCCATGAAGAACGCCAGGGTTTTTGTAACCCCTGGTGTGCTTTGCACGCAGAAGGCACA
CACTTAAATTGGCATGGCTCACTTTTTTTTACTGTGCCTTTGCTGAGCTTGCTGCAGGCTG
AGTGCACTGGTAGAGGAGTGCAGGGCTGTGTTCTGGCCATCCCTGCCTGCTCAGGCCTCT
CCTGCTCCTTTGTGGATCGCCCAGGTCTCTGCTGCTTCCTGGTGCTGNCTCCTGGATCCT
CTTGACATTTTTCCCGTCTGTAATTTGATTGACAGTTACAGACAAGGAAGGGGACTGAAA
TTCTTACCGTTTGTGACTTNCTAAAACNGGAAAGGAAATTTGGTGAATGAGAANGGGAAA
AC
Sequence 767
CCGGGCAGGTCCGGGCAGGTACTTTGTTGGGAATTAAGGATGATGATGCAGATCTGAGTC
AGGCTCTTTGTCTGGCCATCTCCGTGTCAGAGATCCTTCAAGCGAATCAGCTACAAGGGG
AAGGAGTCCGGTCTTTGTGGTGGATTGCCGTCCTGCAGAACAATATAATGCTGGGCATTT
ATCAACTGCTTTCCACTTAGATTCAGACCTGATGCTTCAGAATCCATCTGAGTTTGCACA
GTCAGTAAAATCC
Sequence 768
CCGGGCAGGTACCAGAGGAGGAGATGGACGATCAGAGCCATGCACCTGTTTCCTGCACCC
CCTGCGCACTGGTTCTATGGCCACAAGGAGTCTTACCCAGTAAAAGAGTTTGAGGTGTAT
CCTGAGCTGATGGAAAAATACCTATGTGCCGTTCCCTTGTGGGTTGGACCCTTTACGATG
TTCTTCAATATCCATGACCCAGACTATGTCAAGATTCTCCTGAAAAGACAAGATCCCAAA
AGTGCTGTTAGCCACAAAATCCTTGAATCCTGGGTTGGTCGAGGACTTGTGACCCTGGAT
GGTTCTAAATGGAAAAAGCACCCGCCAGATTGTGAAACCTGGCTTCAACATCAGCATTCT
GAAAATATTCATCACCATGATGTCTAAGAGTGTTCGGATGATGCTGAACAAATGGGAGGA
ACACATTGCCCAAAACTCACGTCTGGAGCTCTTTCAACATGTCTCCCTGATGACCCTGGA
CAGCATCATGAAGTGTGCCTTCAGCCACCAGNGCAGCATTCAGTTTGGACAAGTACCTT
Sequence 769

Table 2

CGGGCAGGTACAGCAAAACCCACCTGTGTAAACACACACAGCAAAGTGATGTAAGAAGTT
TCCATATAAAGGGCTGCAGTATGGAGAGGTAATGTGCAGGCTGGTTTGCGGCTGTAGGGG
CCACCTTGTGCAGCTCTCCACTGATATGGTACCT
Sequence 770
AGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAGCTCCCACCTTT
TCAGTGAACTCTTACATTTTGGGGGATCTGCTCTTGTAAAGGACATCCTTTCTGGTGAGT
ATTCTTTTGGTTAATTTTTGGTTTGGTTATTTGTGCATGAATTCAATCTCATTAGGAAAC
AAGTTAAGTTGAATAGACCAACTAGTGAATTAATCCGTCACCAAAATATATGTTTTTGGC
ATTTACCTGTTTATTTTGAAACTCTTTGTAAGAAATGTAAACCTGTAATGATAATCTCTG
CTTTGTAAGGATATCTCCCTCTCTGACACCTAAAACACTAGATGCTTTCACAAAGCAAAA
GGAAGAGACCTAAATCTATCTATCTGTGTAAACTCACCCTTGACCATTTCATTTTGAAGG
CTTCCTATATATGCTTTTTTTTCATCTCAACAAATAAGTGGTGTTTAAGTTCTGTGCCTCG
GCCCGCTCTAGAACTAGTG
Sequence 771
CCGCGGTGGCGGCCGAGGTACGCGGGGACATTCAGAGGTGAGCCCAGAGCGGGTAAAGTG
GACTGGGGAGAACTTCGGAGGATGTTCATGTCCAGGAGCAGCCCCACGCCCTGTATGGTC
GGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAGAAGAAGGAATGTCAAA
ATGTCATGTTCAATTTTACATTCAGTGCCTGGAATCTTTTCTTCACAATTGAAATGAAAT
GTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAAGGAAATACTACATAAG
AAGCAAGACCACAGACTCAAGACGGACATAATTGGATTTTTTTTTGCCATGGCCTGGAA
Sequence 772
ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACAGAACTTAAACACCACTA
TTTGTTGAGATGAAAAAAAGCATATATAGGAAGCCTTCAAAATGAAATGGTCAAGGGTGA
GTTTACACAGATAGATAGATTTAGGTCTCTTCCTTTTGCTTTGTGAAAGCATCTAGTGTT
TTAGGTGTCAGAGAGGGAGATATCCTTACAAAGCAGAGATTATCATTACAGGTTTACATT
TCTTACAAAGAGTTTCAAAATAAACAGGTAAATGCCAAAAACATATATTTTGGTGACGGA
TTAATTCACTAGTTGGTCTATTCAACTTAACTTGTTTCCTAATGAGATTAAATTCATGCA
CAAATAACCAAACCAAAAATTAAACCAAAAGAATACTCACCAGAAAGGATGTCCTTTACA
AGAGCAGATCCCCCAAAATGTAAGAGTTCACTGAAAAGGTGGGAGCTCAAACCAAGAGAG
GACTTATCTCGCAGCATAAAGACAACTTGTACCTCGGC
Sequence 773
CCGCGGTGGCGGCCGAGGTACGCGGGGACTTCGGAGGATGTTCATGTCCAGGAGCAGCCC
CACGCCCTGTATGGTCGGTGTCTAGAGCCTCACAGCAACTAAGACCAACCCAGCTCTCAG
AAGAAGGAATGTCAAAATGTCATGTTCAATTTTACATTCAGTGCCTGGAATCTTTTCTTC
ACAATTGAAATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAA
GGAAATACTACATAAGAAGCAAGACCACAGACTCAAGACGGACATAATTGGATTTTTTTTT
ACCATGGCCTGGAAAGAAAGGTACCTGCCCG
Sequence 774
AGGTACGGGAGGTGATATGAGCAAATTTAAGTATGCCTCTTACTCATGTTTCCCTGTCCT
CCAATTTTCTTCCTCAGAGGCAACCTCTCTAACACATTTTTGTGTTTAAATATATTTTTT
GCATGAACAAATTACATGTGTATTTGTATATATGCATATATATTTTCTGACTTTTTTTCCT
TCTTTCAAAGAATTATTAGTGATATTCTAAGCTCCAGTAACACACAGGGAAAGGTGGCTT
GCTAATAGTTTTTTTTGTGTAATTTTTTGAGACTGGGGCTTGCTCTGTTGCCCAGGCTGGA
GTGCAGTGGCACGATCACAAGCTCACTGCAGCCTCTATCTTACGGGCTACAGTCAAGCCT
CCCACCTTGGCCTCCCGAGAAGCTGGGACTACAGGCATGTACCTGCCG
Sequence 775
CCGGGCAGGTACTGTGTTTCTCCACCTGACCTAGAAAACCTTGATTCCTGAAAAGCCTCA
CCCTAACTTTGCCACAACCTGGCGATCCATCCATACTGTTCACAGCCCTCAGGAGAGACT
GGATAATTATAACACACCTTGCTTTCTTCCATCATTTCCCTTTTCCCCAAGGGAACATAG

Table 2

CTGCACTGAGAACACCAATCTCTCAACCACACCCTATCCCAACCCCTGTGGAAAATATAG
TAGCTACCTCACCAATGGGAGTTGAGGGAATGAAGACTCATGTCTTCTGGGATCTGGGTC
AAGCCCAGGTCAGCCATTCTTCAGACTTGCACAGTACCT
Sequence 776
AGGTACATCCCCTGGCCATAGGAAGCACCTATAATATTAGTAGTTATCATTACTATTTTT
TTGCCTGTGTGCGAAAGTCATTAGGAAAATCATGCCTATCTACGGCCCATTCTGGGTCTT
CAGAAATGTTGACACAGACATCCACTTTTGCCGTTGTGTGCTAATGGCAGGAGCTTGCCT
GGCTTCCTGCTGTGCCACATGCTGCTCTTGAGGAATGATGATAACAGGTACCTGCCCG
Sequence 777
CGAGGTACGCGGGGGAGTTTCTAAGCCCCCGCCTGCGGTCTGAGGCACCGGCTGAACCAT
GTCGGAGATCCTGTGCCAGTGGCTCAACAAGGAGTTGAAGGTGTCCCGGACCGTGAGTCC
CAAGTCATTTGCAAAGGCATTTTCCAGTGGCTATCTACTTGGAGAAGTTCTACACAAGTT
TGAACTTCAGGATGATTTTTCAGAATTTTTGGACAGCAGGGTTTCAAGTGCCAAACTTAA
TAATTTTTCTCGCTTGGAGCCAACACTTCACCTTCTGGGTGTGCAGTTTGATCAGAATGT
GGCCCATGGCATCATCACAGAAAGCCTGGGGTGGCAACAAAGCTGTTATATCAATTGTA
CCTGCCCG
Sequence 778
TAATCAGGTTGTGCCAGAGGAGGAGATGGACGATCAGAGCCATGCACCTGTTTCCTGCAC
CCCCTGCGCACTGGTTCTATGGCCACAAGGAGTCTTACCCAGTAAAAGAGTTTGAGGTGT
ATCCTGAGCTGATGGAAAATACCTATGTGCCGTTCCCTTGTGGGTTGGACCCTTTACGAT
GTTCTTCAATATCCATGACCCAGACTATGTCAAGATTCTCCTGAAAAGACAAGGTAAAAA
CCAAGAGGGGCTCACAGTACCT
Sequence 779
AGGTACGGGAGGTGATATGAGCAAATTTAAGTATGCCTCTTACTCATGTTTCCCTGTCCT
CCAATTTTCTTCCTCAGAGGCAACCTCTCTAACACATTTTTGTGTTTAAATATATTTTTT
GCATGAACAAATATACATGTGTATTTGTATATATGCATATATATTTTCTGACTTTTTTCC
TTCTTTCAAAGAATTATTAGTGATATTCTAAGCTCCAGTAACACACAGGGAAAGGTGGCT
TGCTAATAGTTTTTTTTGTGTAATTTTTTTGAGACTGGGGCTTGCTCTGTTGCCCAGGCTGG
AGTGCAGTGGCACGATCACAGCTCACTGCAGCCTCTATCTTACGGGCTACAGTCAGCCTC
CCACCTTGGCCTCCCGAGAAGCTGGGACTACAGGCATGTACCTGCCG
Sequence 780
CGAGGTACACACTAGCTGATAAGACACTGTTGCCCATAATGTCTATTTATTGGATCAGCA
ATTTATAAGTCCCACATTCTCATGCCACATAGCTCTACACAGCTGCAAAAATATACCATA
GCTTGCAGGTGATCATTGGTTTGATAAAAGATATTGAGTCGCTCATCTTGTGAAAGTGAT
CTTTGATATAAGAGGAGCATCAGCGGGGAAGCTCACATGTCCCGTGGCTCACACACCAGA
AGGTATTTGTGTCTTGTCATTGTCTGTCTGGCAGTCCATGGCAATGGCTTTTTTCAGAGAG
GCCTGTTTTGTGGGTAACTGTGTGTACCTGCCCG
Sequence 781
CCGGGCAGGTACCTGCTCAAGATGCCTGGCTGAGAGTGTGTGGGAGTCTGGTTGGAGCCC
AGATTTTATATATNTNTATATTTTTATTTAGCTNTGACCAAAAANTGAACATAAAAACTGN
GTCATGGTAATTAAAACTAACAGATAATTTATCTAAAATAAATCTTGATCTGACTAACAT
TGGTCAAACATGACGTGACTTTTTACTCCTTAGATGCACCTTGTGACATAAATAGAATCC
TTCCCTTGCATTTTATAAATGGGAAACCAGAAGCACCNGGAGATGAATTTGAGGGGAACC
TNATCAAGTGGGGAGGACCTAAAACTTGCAGCCCAGTCCCAACANTGCCAGGTCGA
Sequence 782
AGGTACATTACCCTACGCTCCAAGCGCAGCAAGCCGGCCAATATCCGTGGCACCGTGAAG
CCCAAGCGCAGGAAAAAGCGTGCAGTGGCATCGGCTGCCCCAGGGCAGGAGGCTTTGGTC
GGACCATCCCTTACCGCAGGAAGCGGCAAGGGAAGCTGATGCTGTAGCACCTGGGTACCT
GCCCG

Table 2

Sequence 783
CGCCTCCATTGTTTTATTATTTTAAGCAGCAGAGAGATCTGCCTACTGTAGTATGTTCGT
TACAGCTTATATGGTAGAGGGGCCACAGCCCANATCAGGCAAACCCAANATGAGGCGATG
TTGTAAAAATACTCTGAGGAATCCCACAGAAATNTAAGAGCAGGAACTACAGCACAGCTG
GGCTTCCTGGTACCT

Sequence 784
CCGCGGTGGCGGCCGCCCGGGCAGGTACAATAGATGGCAGGTTCTAAATCAACATCAGAG
CAATGTTATGGTCCAGGAATGTGACATGGGTTGAATATCTTCTAACTGGACTTAGAAAAC
CAGAGATCTATAAACATGTTTGTGAATTCCAACTTTCCTCCACCCTGTTTCTGCTACCAG
GGCACATTCCACGTTGATCTCTTGTATGCCGATCAACATGATTTTATTGCTTTTTGTCGC
ACATTTTAAACACTGATTTTCACAGAGTTACAGTCCCCGTGGCCTCCCCACACCACAACC
AAACAAATGCGCTTTTACTGCCTCAAGGAAGATGTAAGTAATTTACTTGTAAAAGTGAGC
TGAGCTCTCAGGAGAAATTCAGCCTCATGCTTCGTTCTGATGGATTTCAGTTCTCAATCT
GTCCGGGACAGGTCAATTAAAGATTAAAGTTGGAATTGAAAGTGAAACCTTCCAAGGCTC
GTTTAGGTAGGGGCCAGACACCCTCCATCANGCCCAAACAAGGGGATGGGGGAT

Sequence 785
CGAGGTACCTTTCTTTCCAGGCCATGGCAAAAAAAATCCAATTATGTCCGTCTTGAGTCT
GTGGTCTTGCTTCTTATGTAGTATTTCCTTTGTGAGCTGAAGATTAATGCATGGATTCAC
CTCCTTCAGCACATTTCATTTCAATTGTGAAGAAAAGATTCCAGGCACTGAATGTAAAAT
TGAACATGACATTTTGACATTCCTTCTTCTGAGAGCTGGGTTGGTCTTAGTTGCTGTGAG
GCTCTAGACACCGACCATCAGGGCGTGGGGCTGCTCCTGGGCATGAACATCCTCCGAAGT
TCTCCCCAGTCCACTTTAC

Sequence 786
ACGCTAGATCAACTGAGATGCAAAACCCATGTTCACATCATGAGTGAGTCTTCTAACTCG
GACAATGCAATCAACAAATTCTAAGACCAAATTCCGGTGGCACTGGCTCCAAAAAAAAAA
AAAAAAAAGTCCT

Sequence 787
CCGCGGTGGCGGCCCGAGGTACAGAAACTCTGCCAGCCAGCCATTTTAATGTTGATTTCT
TTACTTATATTTAAACTTCTAAATAATAATAACTACCATTACTGGGTGCTTCATTTATGT
TGGACACTCTGCTAGGTGTTTTGTATGGTATTTCATTTCATCTCCCTGTTGAAAGCTATA
GATTAGGCAGAGAAGCTCAGAGAGGTAAAGTGAATTTCTGAGAACACAAACTTCTAAATG
GAATTGGGATTTGTGCTTAATTTTAATCTGTCTGACTTTCACAGTCATCTTCAGTATGAA
CAGAAGAAAATCCCTGAACACCTTTGAAATTTAAAGCAAATTAAAGCAAATACTATGCCA
TTAGAGTATATACATATGAATATGATTCACTCCCTGTGAACTCTGCTGTATTCTCCTACC
TCTAATGTGCCTCGCCTCTGCTTCATTGGGAAGTAAAAAACCATTTTACTACCTGGGAAT
TGTGAAGCTATCTGGCCTTT

Sequence 788
CCGGCCCGCCCGGGCAGGTACTGATAGCTGGGCAGTCTACTGAGACTTAACCTTGTGGTT
AACTACTTGGAAAATACAGAATTGGCTAGTGAGCCACAGACCCATTTGAGGCCAAGCCAT
ATGGCAAGACCTTTGGGAAATAGGTCATCAAAAAGAGGTAACTATTTATCATGTGTCAGG
CCATATGCCTTTGGCCACCCCTAGTAATGATGAGGCAGATGCCTTGGCTAAGGTCAGATG
GTCAGAGTCAGCACCAACACAAGATGTGACCTTGTGGCTACACCGGAAACTGGGACATGC
AGGGGGTAAACTGATGCAACAATTCAATAAGTGTTGGGGTCTGTCCCTTCCAAGCAAGAC
ATTTGTGAGGCTTGTCAGAAATGCCTGGCATGTGTTCAGACATATCCTAAAAAGAGGCAG
CTGCCCGGTGTTATACAACAAGTAACAATAGGGTGAGTGCCCTTGACCAGGTGGGAAAGT
AGACTACATCGGGCCGCTTGCCAAAGTCGCGAGGGTATACCGCATGCCACTAACGGCTTG
TAGACATTGGNCACAGGCCTGTTGTTCACCTACCCCTTGCAGGGGTGGGCCAAC

Sequence 789
CCGGGCAGGTACCATATCAAGTGGAGAGCTGCAGCAAGGTGGCCCCTACAGCCCGCAAAC

Table 2

CAGCCTGCACATTACCTCTCCATACTGCAGCCCTTTATATGGAAACTTCTTACATCACTT
TGCTGTGTGTGTTTACCAGGTGGGTTTTGCTGTACCT
Sequence 790
ATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCCGAGGTACATGTGAGGACCGTCCAGG
ATAGTTTTGAAATGAGAAATGAGAGCAGCATTTCCTTGGTGTCGTGAAAATATATTATAC
ATNTATTAAA1ATTGAAGAAGTANNNGCTGTCTTGGTGGCTCACGCCTGTAATCCCAGCA
CTTTGGGAAGCTGAGGCTGGTGGATCACCTGAGGTCAGGAGTTCGAGACCAGCCTGCCAA
CATAGTGAAACCCCATCTCTACTAAAAATACAAAATTAGCCGGGTGTGGTGGGTGCAT
Sequence 791
CCCCGCGGTGGCGGCCGAGGTACACACAGTTAACCACAAAACAGGCCTCTCTGAAAAAGC
CATTGCCATGGACTGCCAGACAGACAATGACAAGACACAAATACCTTCTGGTGTGNGANC
CACNNNACATGTNANCTTCCCGCTGATGCTCCTCTTATATCAAAGATCACTTTCACAAGA
TGAGCCGACTCAATATCTTTTATCAAACCAATGATCACCTGCAAGCTATGGTATATTTTT
GCAGCTGTGTAGAGCTATGTGGCATGAGAATGTGGGACTTATAAATTGCTGATCCAATAA
ATAGACATTATGGGCAACAGTGTCTTATCAGCTAGTGTGTACCTGCCCGGGCCGGCCGCT
CTAGAACTA
Sequence 792
TATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACATGTGCACAACGTGCAGG
TTTGTTACATATGTATACATGTGCCATGTTGGTGTGCTATTTTTTGACTACTGGAAAGGG
ATGTGTTNGTAANNAACATCTTTTTTTNNNNANCANGTTTTCCATGATTGCTAAGTATTGTC
TCCTCCCTTGAGAGTTTCAGTGGTGTGTTTGCTACATTACTTCAGTCAGTATTTGCAGCA
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TGAAAATTGACCTTATTTGGGATGTTTTTACTTCAGCTGAAGGTGAAGTTGNAAGATACT
GCAAAGAATACACATCTTAAGAAATCATGTTAGAAGCAAGTAGCNTTTAATAAGCCATCC
ACTATAAACCCCAAAAGAAAACTGATCTTTCTGGGGAAAAATCAAAGAATGGCCTCAAAG
GACTTCAACTTCCTGAACAAAATGTATGTGCTAATTTTCGCGATCTTCTTCCTATATTCA
TGCCTGACAAGATTGCCATTNGTATTCTATTGACAGAAAAATGATGATTTTTGAAAGCTT
TTCTTTCCCATAATTTCCTTTTGNTGATANGNGNTTGTTTCCCAATCATTAGCAACNTGA
GACCCTNGTGAGTGGGGGAGGCCATAATANCTTNCCCGGGCCNGCCNTTNTAAAAACCNN
GGGNACCCCCCGGCTTNNAGGAATTNGANCTNAAAGCTATCNNANCCCCNCGNCCNCGAG
GGGGG
Sequence 793
CCGCGGTGGCGGCCGAGGTACTAACATCAATAAGTCGAGAAAATTATATTAACTGAAAGA
AAACAAAATAATAGAGAATTTTATTAAACGTATTTCTAATGTTTCTCTTCATGTTTGGAG
AAAAGCTGCCACATAATTAAAACAATTCTTCCCTGTAAAACTGATTGTCTTCCAATCTCA
GGAGGTTTACATTAACAGGAATATAGAATAAGAAACAGGCCTATGGCCGGGCTCCGTGGC
TCACGCCTGTAATCCCAACACTTTGGGATGCCGAGGCGGACGGATCACGAGGTCAGGAAA
TCCAGACCATCCTGGCTAACACGGNAAAACCTAGTCTCTACTAAAAATACAAAAAAAAA
AGAAAGAAAGAAAGAAAAAAAGTCCTGCCCGGGCGGCCCGCTCTAGAACTA
Sequence 794
GCGGTGGCGGCCGAGGTACCTTCTCAGCCAGCAGTTAGCCATTGTGGAGGTGCCAGGGGA
GTTAATGCCCTTAGGAGCAACTCTTGGTCCTTGGAGGCAGGAGTCAGCACCCACTGAACG
TCAGCATACATTTCCCACCTTCCAGCCCTTCCAAGGGATGATCCTCAGAAGTGTGTTCTG
CTGGGTTCCTCCAAAGCTCTCAGTGAGGCCCAGCTCCAGTTGCCCATAGTGGCAACCCAG
CTCAACCATGCCCTCCTAACACCTTTTCTTTCTTCCCTGACCTTTCTGCCTGCACTCAAG
TCTTTTCTCAATTTGCAAAACCAGGATACACAATATTTAAGTATCTCCCAAACCTAAAAT
AAAGTGGAGTGCAAAAATTCAAAGAAAATTCAGGATGCATAGTAGTGTTTAAAAGAACAA
CATGGGGGCTTGTCATGATATATTANACACTTGCTTTNCCTTNCATGAAAAAAAAAAAAA
TGGAAA

Table 2

Sequence 795
CCCGCGGTGGCGGCCGCCGGGCAGGTACTGTTCTGGTTCCCACTCAGAGATCTCTCGTAA
GATGCAATCTATCAGGCAATGTCTACCACACACACATGCGCGAGTGCGCGCGCACACACG
CACACACACACAGAGGAAGACAGACAAAACCTCAGACAGATTACATCACAGCAAAGTCAG
ACTAGAAAAACCAGAGGAAACACAAGATACTTCTCATTTCTAACACCAACTCTCCCAAGT
CACATCACAGAGTCAGCCAACCCAGAGACCACTGGCTCCTGTGGTTATTTGGGTTAAACA
AGCANCATGATGCTCCCTCTTCAACTCTAACCAACAGAATTAACAATGACCCCTTCTCCA
ACACATGATTTACACAGCCAACAAAAAGAGCCACAAGGGACAATATGGAGCAGGANTCCT
CGCCGCTCTAAAACTAAGTGGATCCCCCNGGCTTGCANGAAT

Sequence 796
CCGCGGTGGCGGCCGAGGTACGCGGGGAGGGATTGCTCCCTGCATTGTGGGTGGGAGATT
GGGTTGGGAAATGTAAAGCTCTCTTTCCTTACCAAGTTTGTTTAACATGGCNCTTCCCAC
CCCACCCCAACCACATCTTCGTGCTACTTCAAGCTGGGAGGAGCCAANTTCCAAATNTAN
CCNAATTTTTTNNCCCNTGTTGGACAAAGAGACACATTNANAGGTTGAGCCCAGAGGGGG
TNAAGTGGACTGGGGAGAACTTCGGAGGATGTTCATGTCCAGGAGCANCCCCACGCCCTG
TATGGTCGGTGTTCTAGAGCCTCACAGCAACTAANACCAACCCAACTCTCATAAGAAGGA
ATGTCAAAATGTCATGTTCAATTTTACATTTCANTGCCTTGGGAAATCTTTTCTTCACAA
TTTGGAAATGGAAAAT

Sequence 797
CCGGGCAGGTACCTTTCTTTCCGGGCCATGGCAAAAAAAATCCAATTATGTCCGTCTTGA
GTCTGTGGTCTTGCTTCTTATGTAGTATTTCCTTTGTGAGCTGAAGATTAATGCATGGAT
TCACCTCCTTCAGCACATTTCATTTCAATTGTGAAGAAAAGATTCCCNGGCCCTTGAANT
GTAAAAAATTGAACATTGACATTTTGACATTCCTTCTTCTGAGAGCTGGGTTGGTCTTAG
TTGCTGTGAGGCTCTAGACACCGACCATACAGGGCGTGGGGCTGCTCCTGGACATGAACA
TCCTCCGAAGTTCTCCCCAGTTCCACTTTACCCGCTCTGGGCTCACCTCTGAATGTGTCC
CCGCGTACCT

Sequence 798
CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGAGTGGCATCCTTTGAACTCACGGATC
CAGTCATAACTGAAGTTCCATCTACACCTGGGGTCTTCAGACCCAGGCTCTGGAAAAGAT
CCTGTTACTTACAAGCAAAAGAAATTCTGCCTCTTACCCTCAGCATGTGAGTACCTCGGC
CCGGTTTTAAAACCTAGTNGNATCCCCCCGGGGCTGCAGGAATTCANATATCAAAGCCTT
ATCGATACNCGTCGACCTCTGAGGGGGGGGGCCCGGTNCCCAGCTTTTNGTTCCCTTTAGT
GAGG

Sequence 799
GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCATGGTACCCCAAAACCACGGGG
CTGCAGCTCCAGCAATTGGGAAGGCCAAGTTTTCTTGCACACTCCCCAGAAAAGGGGCCA
AGTCCATGGGGCTGANCAGTGATNGACTGCAGACCTCACCACCACTGAACCTTGTAGGAT
AAGGCCCACTNGCCTGGGGATTGNTTNTTGAGGCCCANCCCTAAGTNCCTTCTGAGTTCT
CCAGCTGGGAGCAGCTCTACACTTNTCCGGCATGCAGCTTTCCAAAGAGAGAGGCAGTCC
ACCTTT

Sequence 800
CCGCGGTGGCGGCCCGCCGGGCAGGTACAGTGGTGCAGTCATAGCTCATTGCAACCTTGA
ACTTCAGGCTCAAGAGATCCTTTTGCCTTACTCAGCCTCCCAAGTAGCTGGGACTACAGG
CATGTGCCACCATGCCCAGCTAATTTTCATTTTAATTTTTTGTAGAGACGGAGTTTTGCT
ATGATGCCCGGGTTGATCTTGAACTCCTGGCTTCAAGTGATCCTTCTGCCTTGGCCTCCC
AAAGTGCTAGCATTATAGGCATGAGTCACTGTGCCTGGCCTTGAATATTTTTACATTGCG
TTGTCACAAGTGAGCTGTGTCATTTTGGTATATTTTAATTAAAAGGCAAGGTTTCTACTT
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TTAAATTATTTGCTTTTATTCTTCTCTAGGAGCTGCTGTTTTGAGGATTCCTATTCTGTA

Table 2

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TGGGGAAGTTGAAAAAGCTCGAAGAAAGGNCTGTGACTGTTATGGTTTGGATAAAAGTGC
AGTTCAAGCAACAAGTCAGCCNAACATGGATNACTGGCAGNAANANGTTTCCCCACACAT
GTCAAAGATNGGGGCCACTGGGTNCCCGGCAGCTAACAAAANAAAAANAATNCTNGTNAN
AAAGNNTNCCTGGAGTCCNTGTCTTANCGNAAGNTNCACTTTGTCTTTTNNATGCTGGAA
CTTTTNACANGCTNTNGCCNTGGCCGGTNTAANAACCAAGTGGGNNCCCCCGGGCTGCN
AGGAAATTNGATTCAAATCTTNTNTAANCCCGNNNTACCCTTNAGGGGGG
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Sequence 801
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NGCGGNACGCCCGGGCAGGTACAGTGAAGCTTTGACCTGAGGAGCTCTTCTGTAGGTGAA
.GAGTGGTTAACTATGGTTCCTGTGTGCCTGGGGCCCCCCACTCCTAGGACTCATCCACCC
CCTACCCAGAACTTACTAGTACCTN
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Sequence 802
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AGCTACTTGGGAGGCTGAGGTGGGATGACTGCTTGAGCCCAGGAGGTTGAGGCTGCACTG
AGCCACAGTCACGCCACTGCACTCCAGCCTGGGTGACAGAGCAAGACCCTGTCTCTAGTT
TTGTCCATCTGTCTTCATGGTCCTAGCTGAAAAGTATCTTTTTAGATTCCCTATTTCCTT
CGACTTCCCTCCCCTAGAATATAAACTCCATGAGCTCCTTGTCCACCCAACTCTCTGCAG
TCTTCTGTACCT
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Sequence 803
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AGGTACAAGAAGGGCTGAGGCTTCTGTCTGAGTTGACCGTGACCTGTGGTTACAGCATTT
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AAACTTGCATACAAACAGTCTCAAGGAGGCAAACACATGCTTCAGCGCTGCCCGCGTACC
TGCCCG
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Sequence 804
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GCTCCACCCGCGGTGGCGGCAAGAGTAAAATCAAGGCTGGTAAAAGAACACAGCACGTTT
CAAGCCTAAGCAGCTTAAGTGCAAAGTGGCTCCGGGTGGAAATGATGAGAGAGCAAGAGC
ACAAAGAGGACCCTCTAAAACAGAGCCAGTGACCATGTGAGCTGAGGGGGAGGGCTTCTC
ACAGGGCAAACGGTACCT
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Sequence 805
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CCGGGCAGGTACTGGTGACTCACCATTCTGCCAGCGGCCACTTTGCACTGGGCACCAGCA
CATACCAGCCCCCATCAGGAAATGTGCACAGTCCATCTCATCTTGTTTCATCTTCATTTT
ATTAATGAGGAACTGAGAGTCCAAGAAGGTTCAATCATTTGCTCAAGGACAAAGAAGTGC
ATATCGACTCAAGATCTGAGCGACTCCAAAGCCCAAGCTCTGTGCCCCCGATAACACTAA
AGGGCTCTGGAACCTTCCCTCACTGTGCCAAATTCTGGTCACCACACTTTAGGAAAGGTA
CCT
```
Sequence 806
```
CTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGGGGAGACACATTCAGAGGTGAGC
CCAGAGCGGGTAAAGTGGACTGGGGAGAACTTCGGAGGATGTTCATGTCCAGGAGCAGCC
CCACGCCCTGTATGGTCGGTGTCTAGAGCCTCACAGCACTAAGACCAACCCAGCTCTCAG
AAGAAGGAATGTCAAAATGTCATGTTCAATTTTACATTCAGTGCCTGGAATCTTTTCTTC
ACAATTGAAATGAAATGTGCTGAAGGAGGTGAATCCATGCATTAATCTTCAGCTCACAAA
GGAAATACTACATAAGAAGCAAGACCACAGACTCAAGACGGACATAATTGGATTTTTTTT
GCCATGGCCTGGAAAGAAAGGTACCT
```
Sequence 807
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GCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACATCGAATAGGCAAGAACACAGGCAGTA
GGGCAGCTTTGACAGCCTCAGTAATTTCCAAGGGTATTTTTTGACAGAAGTATCACAAGT
CTTAAAGTGATTGCATCGAAAATTTCTGATTCATTTGGGTAAGTGATTATCTTTCCATTT
GCCAAGGACCTGTTGTATGTATAGTGGTAAAACAATTTGTATATTTATAAGGGAGATATG
AGGTANAACGTAAGACTTCTTTGGGGAGCCGACAGTACCT
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Sequence 808
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GCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACATCGAATAGGCAAGAACACAGGCAGTA
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Table 2

GGGCAGCTTTGACAGCCTCAGTAATTTCCAAGGGTATTTTTTGACAGAAGTATCACAAGT
CTTAAAGTGATTGCATCGAAAATTTCTGATTCATTTGGGTAAGTGATTATCTTTCCATTT
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GAGGTAAAAACGTAAGACTTCTTTGGGGAGCCGACAGTACCTCGGC
Sequence 809
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Sequence 810
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Sequence 811
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Sequence 813
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CCTCAAGGANGGTTTTTTGG
Sequence 815
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Table 2

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Sequence 816
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Sequence 817
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Sequence 819
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Sequence 821
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Table 2

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Sequence 828

Table 2

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Sequence 833
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Table 2

Sequence 834
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Sequence 835
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Sequence 836
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Sequence 837
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Sequence 838
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ACATAAGAAGCAAGACCACAGACTCAAGACGGACATAATTGGATTTTTTTTTGCCATGGC
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Sequence 839
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Table 2

Sequence 840
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Table 2

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Sequence 848
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Sequence 849
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Sequence 850
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ATNTNTNNTGAATGTCNTAAAGCTATAAATCCACTCATCGNTGTGTTTAAGGAGGAACTG
AAGCACAATTGTTAAGAACAAGTGAATTAGGTGAATATACATTGACNAAAGGTTGATAAT
AAAGTTNGTCAGGAATTTCAAAAATAATTTAGTGTGACTTGAAATCTTTAAAATCATGTT
ATATTAANATTAAGTAACACTTTACTGATTTAAATTATTTGGAGTCATTTCTAAGGGAAA
ATACTGAAATATCAATTGCTTAACAAGAAAGTTTTAAAATATAACGGTAATTTGGGCATC
CTGGGTTTTCNCATGTTATGGGAAAAAGCCTTAAACCATTATTTGGGGGCCTGGTTAATT
TAAAAGGGCCATAAAAAATTATTTTTTATNGAAGAATGGTGTTCCATNTGCAAAAATACTA
ACATGGATGGCACTTCAAAAATGCTTACCTAAATTTTTTCACCTAAGAAATTAAGGTTACC
TAAAGAAGTTAAT
Sequence 851

Table 2

CCGGGCAGGTACAAGTTACCTACCCTTTCCTTGCCTCAGTTTCCTCCTTTGTGACAATGG
GGACAATAACAGAAACTGCCACACAAGAGGGATGTTAGAGAACTGACCAAGCGAATGTAA
GTAATGACTTGGAGCAACGTATGGCTAAGAGTAAGTTAGGGGTTGTTACGATGACTTTCC
TGAGATAAACAGGGAGATCTTTTAGCTGTGGGTCAAGTGCAGGAGGACAGTGGAGCTCAA
GGCCTAATGGAAACTAACACTAATTGTACCT

Sequence 852
CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGACGTTAAGAACTGGACTTACAAGATG
GATAGGACCTGGTGGCAGCTGTCCTTGAGGAAGCCAGAGCCTGGAGAGACAGATCTCATG
TTATAGCAGAGTACCT

Sequence 853
CCGGGCAGGTACTTACCGGGGAGCACAGTGGACTAGGGGATGCCCTTGATAATGACGGTT
TCCTAGGTGCAAGATCAGAGCATGTGCCTACACCTTGTGCCCTGATGCCGAGGTGGAGAC
CATTGGGAAATAATTAATAGATATTTTTCTGGGGGGGAAATCACAAGTCACTGAGGTGTTT
GTTTGTTTGTTAGGCAGTGCTAGAGCTTGAAGCCACTCAAGCCAGTTGGGGAGGAAAGGG
ATGCGGAGGTACCT

Sequence 854
AGGTACATTACCCTACGCTCCAAGCGCAGCAAGCCGGCCAATATCCGTGGCACCGTGAAG
CCCAAGCGCAGGAAAAAGCATGCAGTGGCATCGGCTGCCCCAGGGCAGGAGGCTTTGGTC
GGACCATCCCTTCAGCCGCAGGAAGCGGCAAGGGAAGCTGATGCTGTAGCACCTGGGTAC
CTGCCCG

Sequence 855
CCGCGGTGGCGGCCGCCCGGGCAGGTACCCAAGCTTCACAGCCCTGTCTCTGCCATGGAG
AGCAGGCCCACACACTGCTGCCTGCTGGAGCAACCGTGCTGGTCACAGGGCCAGAGGCAG
AGAGCCCTAACAAGCAGTCAGGGCGCTAATGAGGAAGGGGGGACAACCTGTCCTCTACAG
AAAATAATGAGATTAATATGTTCAACAACTCCCATCCAGAATCCAGCAGGAAGTTAAACC
AAACGACACATGATTCTCTGACGAAGAAATAAGAATACGGTTGACTGGTTTTTTATATTT
ATTTACCTGAAAGCTTCTAATGTTTCTAACTAGTGACATATTTCAGGCCAGGAATTCTGT
TTGCCTAGATCATGATGTCTAAACACTGCACACTTGACCAACTTTGGATCCAAATAACTA
GCTTTGTATGCTCTTGGGCCCTGCAGTACCTCG

Sequence 856
TCTGAAAAAGCCATTGCCATGGACTGCCAGACAGACAATGACAAGACACAAATACCTTCT
GGTGTGTGAGCCACGGGACATGNGAGCTTCCCCGCTGATGCTCCTCTTATATCAAAGATC
ACTTTCACAAGATGAGCGACTCAATATCTTTTATCAAACCAATGATCACCTGCAAGCTAT
GGTATATTTTTGCAGCTGTGTACAGCTATGNGGCATGAGAATGTGGGACTTATAAATTGC
TGATNCAATAAATAGACATTATGGGCAACAGTGTCTTATCAGCTAGTGTGTACCTGCCCG

Sequence 857
CCGGGCAGGTACGCGGGTGACGGTGTGTAACAGGTTCAAATAAAGATTAAAAAGTCAAAC
GTGCACCAAGGCTCTCCTCTGAGGCCAGGCACAGAGCTAGGAACAAAGGGCAAGTCATGA
GCTGGCCAATCTGCAATATCGTGAATACCCTAATCATCCTGGTTTATTTACAGGGTGGAG
CTGTATGATCTGTAAATTCGCTTCTACATTTACATTTCTGTGATTGATCATTCAGCCTAA
TTAGAGTTTTGTTTGGAATGTCAAAATGTTTATGGGGAAAAGACATCAGGGAGCCAAGGA
AACCATTGGGGACTNGGGGAAGTCTTAAGCCACAAGGAATCTTGCCTCATTAGGCCCCAC
TTATACCAACCAAAACAGGGAGGGATATTTATGGAGGGGGATTTTCTGTGTCCCAACTTA
ACANTTTCACCTCCCACAACCTTTGNGGTTNTNTTCTTCTTNTTTTTAGGANGACGGGAG
NTTTTTTTTCNTNTCCNCCCAAGNCCCTGGGGANNNTACCCTTCNGGGCCCGCTTCNTNAG
AAAAACCTTANNGTGGGAATTCCC

Sequence 858
CGAGGTACGATGGCCGGGCGCGGTGGCTCACGCCTGTAATGCCAGCACTTTGGAAGCCTG

Table 2

AGGCGGGTGGATCACTTGAAGTCTGGAGTTCAAGACCAGGCTGGCCAACATGGTGAAACC
CANTCTCTACTAAAAATACAAAACTTAGCTGGGCGTGGTGGCAGGCTCCTGTAATCCCAA
CTCTCAGGAGCCTGAGACAGCANAATCGCTTGAACCTANGAGGCGGAGGTTTGCAAGTGA
GCCAAGATTTGTGCCACTTGNACTCCAGGCCTTGGACAACAAGNAGCCGAGGACTACCGT
CTCAAAAAAAAAAAAAAGGGATACCGATTTCCTTATTTAATTTAATGACCTAAATTACTTT
TCCCAAAGGGCCCTTACCTCCTGGAATATCATCACCCATGGGGTGTTTAGGGATTTTTTG
GACATTATTAATTNTTAGGGGCCACATTAAACCTTTTNAAGACTAACAGCCCATGCACTT
CAGAAATTTTATTATCCAAAACATTTTTTACCTTGGACCTTTAAGGAGGAGGAGGAAAAT
TAATTTTTTTTCAAAAAAAA
Sequence 859
CTCCTATAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACGCCTGTAGTCCT
AGCTACTCAGGAGGCTGAGGCAGGAGGATGGCTTGAGCTGAGGAGGCAGAGGCTGCAGTG
AGCCAACATTGCAACACTGCACCCCAGCCTGGGCATTAGAGCCAGACCTAGTCTCAAAAA
ATAAATAAAATAAAATAAAATAAAATAAAATGTTTAATAATGCCTACTCAGACAAAGAAA
GGCTCAGGCAAAAGACTGAGTCTGATCTTCTACATTGAGGAGACCATGTTGATTAGTGTT
ATATTCAAAAAAACCAATTCCCAAGTAATGCATACACAGCTGAAAGAAGGAAGTATTCCA
GCTACACCCTCCAAGTTTTCTACATCTCAGTAAACGGCATCGCCACCCACCTAGAAACTG
GGCATCATTTGGTTCCTCGTTCTCCTTTTTTTTTTTTTTTTTGAGATGGAGTCTCTGTTGAC
TCCGGGTTCAAGCCCCGCGTACCTGCCCGGGCG
Sequence 860
AGGTACAAGTTGTCTTTATGCTGCGAGATAAGTCCTCTCTTGGTTTGAGCTCCCACCTTT
TCAGTGAACTCTTACATTTTGGGGGATCTGCTCTTGTAAAGGACATCCTTTCTGGTGAGT
ATTCTTTTGGTTTAATTTTTGGTTTGGTTATTTGTGCATGAATTTAATCTCATTAGGAAA
CAAGTTAAGTTGAATAGACCAACTAGTGAATTAATCCGTCACCAAAATATATGTTTTTGG
CATTTACCTGTTTATTTTGAAACTCTTTGTAAGAAATGTAAACCTGTAATGATAATCTCT
GCTTTGTAAGGATATCTCCCTCTCTGACACCTAAAACACTAGATGCTTTCACAAAGCAAA
AGGAGGAGACCTAAATCTATCTATCTGTGTAAACTCACCCTTGACCATTTCATTTTGAAG
GCTTCCTATATATGCTTTTTTTTCATCTCAACAAATANTGGGTGTTTAAAGTTCTGTACCT

Sequence 861
AGGTACAACAGTCCTAGGAACTCTTACTGTCTGTAGTGGAGATAGGGAAACAGGTTTATA
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GTCCTGGCCATTTATTCTCAAAGAGCATGAATATACAGAATAGGCTGATTTGAGACATTA
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ATAAAGAGCTGTGTATGGAGAAGGTAACAGTCGGTATGTTAAAACAACAGATCCGGCCAT
AGAATAGGTGCCTAATGGTTCTGAAATATAAGCAAACATGCTGGACAACTTTATCATTAT
TTCTGGCATGGCTGGCTCTGGGGCTCATGTTTGTGATCCCAACTCTCTGGGAGGCCCGAG
GCAGGGAGATTGCTTGAGCCTAGGAGTTTGAGACCAGCCCGGGCCGACATAA
Sequence 862
CCGGGCAGGTACACACTAGCTGATAAGACACTGTTGCCCATAATGTCTATTTATTGGATC
AGCAATTTATAAGTCCCACATTCTCATGCCACATAGCTCTACACAGCTGCAAAAATATAC
CATAGCTTGCAGGTGATCATTGGTTTGATAAAAGATATTGAGTCGCTCATCTTGTGAAAG
TGATCTTTAATATAAGAGGAGCATCAGCGGGGAAGCTCACATGTCCCGTGGCTCACACAC
CAGAAGGTATTTGTGTCTTGTCATTGTCTGTCTGGCAGTCCATGGCAATGGCTTTTTCAG
AGAGGCCTGTTTTGTGGTTAACTGTGTGTACCT
Sequence 863
AGGTACCAGGTTGGGCTAAGAGATGAAAAACCAGGCTCAAGTTGGGCCAGAGATGGACAA
TGAGTCACTTCCACCAGAATTCCCAGCCACATATGCCCACCTCTGGGTCAGAAGAGCCAA
ACGTATTTATCGCTTTTGCTCAGGGCCAACATAGACACTTGATTCTCTCTCAGGGCTGTG

Table 2

TTTTCCCCCAAATGTATCAATACATCCCTATTTTCTTCCCCCTTTGTTTTCCTTTCCCTG
GTGACCTGCTACCCCACACCCCAGCACACTGATGGTGTTCCCTCCACCACACCGAGACCC
CGCCACAAGCTCTCAGCCCTCGTAGAGCACAGGCCCCACCCTGAAAGTTGGCAGAGCACC
GGGCTATCAAGCTGTGTCATGTGGAGCCAGCAAGCCCGGCACAACCGTGGATCCCGGGTA
CCTGCCCG

Sequence 864

CCGGGCAGGTACCTGTCTTTGGGCTTTATGTCATGTAATACTCACCCNAGTGACCTTTAG
GGGAGATGTCACCGTCGTCGTCGTCATCATCATCGTCATCATCCCGACGTCATCGTTCCT
ATTGAGAAATGAGACCACTGAGGTTTGGGGAGGTGAACTGACTTNCCAAGTTCTTACAAT
GAACAGCAACAGGGCTGGGTGGGACATAAATCCATTTNACTTACAGTAAAAGCCAAATTC
TTTATTATGCTCCACATGATCCTGTCCCTGCATNTCCTGACCTCTTCCCCCATCCCCCTT
CCGATCACTCACTNCAGCCACACTGGCTTGGCTGTTNCTNAAACACACCAGGCAGCCTTC
AACTCCAGGGCCTTTGCAAGAGGTCATTCCTTNTGCCTGGAACACTTTTNCCCCAAAACN
ACCGCATGGNTTACTTCAAGAATGTGCTTCAAATGTCAATNTTTTTAAAAGGGAATTCTT
TTTTGTGAACTTTTTCCTGTTTTTAACAATTTCTTTAACAACTTGNTCCAANCTTTCAANA
AACCTTTTTGGNCCNTTGCCAAATTTCNCAGGGAAGANANNGGGGGNAAAAATCGNAAAAN
NGANAGGTCCCTTTCGGNCCGNTTTTTAGAAACTANNGGGGAATCCCCCCCGGNCCTTGN
ANGGAATTTCGAAAANTNAANNCTTTATTCNANTNCCCNGTCCNANCCTTAAAANGGGGG

Sequence 865

CCGGGCAGGTACTGGGGATTGATTAGCCACAGTCTTTGCCACAGACTCTTTTGGACTGAG
CCGATAGGTCAAAGGTTAGCTTATGCAGTAGCATGGGCTGTAGGTTTTTTGCACTGATCA
ACACCGGAACTTTTAGAAGACTTTTAGAAGATTTGTTGCTGCTGTGAGTGACATCAGTTC
ACACAGCCTGAGAGAGAACTCTCAGTCCATGCTGTCCCTCCGTGGGCCCACTCAAGCGAA
ATGGGTCGAGCTGCAACACTGTGCGGTGCCAACCGGGAGAAATCTGCCTATCGGGGCTGA
GAGACATCCTGTAGTGGCTACCCGTCTCCTTTGCCCCAAATGTCAAGTGGAAGAGGTGCT
TCACATATTTATTTCTTCCTACATGGGCTCATTTATTGTAAGCCCATTGTGGACCCTTGG
AAAGCCAAGCTTTTATCTTGATTTTGGAGTGTGATCAANGTGACAGTTGTTCTCCGGATG
ACAGGGAATCTGACTTTG

Sequence 866

CCGGGCAGGTACGCGGGGAGACTTTCCCTGCCGGCACATGGACCTGGCCCAACCCTCACA
GCCAGTAGACGAGCTGGAGCTCTCGGTGCTCGAGCGGCAGCCAGAAGAGAACACGCCTCT
CAATGGTGCCGACAAGGTCTTCCCTTCTTTGGACGAGGAGGTCCCCC

Sequence 867

CCGGGCAGGTACAGACGGGGTTTCACCCGTTGGCCAGGTTGTTCTCAAACTCCTGACCTC
AAGTAGGCCGTTCGGCTCGGCCTCCCAAAGTGCTGGGACTACAGGCGTAAGCCACTGAGC
CTGGCCAGACTGAACATTTTAACCATGTCTACTCCTCCCAAATGAACTTATAGATCTAAT
ACACTCTGGGCATGAATCAGGTTTGAATTCAAGGATCACATTCCTTAAGACATTGACAAC
CTAACTCAAATAGCAGCCTGCTCTTCCAGCCAGCGCTCATTCTCCTCTTCCCCTGTTTTA
TTTTTTATAGCATGTCTCATCATCTGAAATTACCTTTTTGTTCTTTCGTCTCCAGTTTCC
CCGGTAGAATTTTGTAAATGCCATCAGGGCTGGTGTGCCCTTTTCTGAGTATTCCCAGTA
CCTCGGCCGCTCTAGAACTA

Sequence 868

AGGTACAGCTGTGATTCCAGAACTAAAATCCCCATTTCCTTGCCAGTTGTCAGCTGANAG
CCCGTCCCAGCTTCTAGGCACTGCTCACATTCTTTGCCTTGTGGTTCCCTTTCTATTTCT
TTTGTTTTCAAAGCCTGCAATAGCTGGTCAGTTTCTTCTCATGCTTTGAATCTCTCCTGC
CTCTTGTTCTGTTTTGCATCTCCCCAACAAAACCTTCTGCCTTCCTTTTGCACTTTTTGT
TTGTTTGTTTGTTTTTTTTGAGA

Sequence 869

Table 2

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTNGGNTTNGNTTNGNTTTNGTT
NGTTTTTTTTGTAAANACAGAATCTCCCTNTGTTGCCCAGGCTGATTTCANACTCCTGGG
CTCAGGGGCTCCTNCCACCTCAACCTNNTGAAAGTGCTGGGATTACAGGGGTGAGTCACT
GTGCCTGGCAAGAAANATGAANTTTTNATCCCTNAACTGACANCTNTGCCCTGGAGGCCCA
NCATGGGCTTCAGGCTGCCTNTGCCCCTGCTNANAGGGCATTNTATTTAGTTCAGCTNTN
ACCCATTGNGGATAAAGGAGATTCACTTCACATTTTATGTTTTACAATTTTAGTATAAGC
NCNAATGTTTAAATGATAACAAGGGAAGGAGCTCCCCAAANACTCTGNACCATCTTGATT
TCTGGGATTAANATTTTANTCTGGGTAAAACAAGGATTTNTATTATTCCCAAANCNTTNT
TNATAATTNANAGCCCGGGGGGGGTTTTTTTTTAAAAAATACCCTNTTNTNCAAAAATTTN
CNNTCCAAGGGAAAATTTTTTT

Sequence 870

CCGGGCAGGTACCANCAAGCCCTGNGGGCCGAGAGTTCTGCCTGGTCCCACCTGATCACT
CTGTCATGACCTCAGTTCATGTGAACCTTTCNCCCACCTTCGTCTCAAACCCAGCCCTGA
GCCCCTCCATGCTGGGATGTGTGCAGGGACCCCGTGCAGGCTTCCCAGAGCAGGGGAGCA
CTCAACTATGCAGAACATGTCAACTCCACAGATACACAGCAGGTCGTGACTGAAATGACT
TCCCAAGGGAACTGTCCTTGTCATCCTTTTTAAAAACATTAAATGTCAGAAAGACGATAT
GAGAGCTCAGACTGCGCCCACGTGGGGAACTGAGAGAGAGAGGCCCAGTACCT

Sequence 871

CCCTTNNGAGCGGGNGCCCGGANANNAANAAAAANATNCTNTTTTTCTGATCAGAACCCTG
GCTGAACGGTNTTAAAATTCAGGTTCCAAAATGAGCCAGTGGTAAANAAGAAATAGAGTG
GAAATTTAACACATCCATTTATTATACACTGCAAAATGCAACAGGGACAGATGCCCCATG
AATATTTCTCCTCA

Sequence 872

AGGTACGCGGGAGGGAAGAGTGGCCTTATGGCTACTCAAGCCACGTGTTTACCTAAAATG
TGCTCCTAGTCGCATAGCTTCTCAGAATAGTCAAAGAAGAAAGGAAAAGAAAGCTGGATG
TCCCGGGTTTATTTTTTCTGCATCTTTGCAAATATGAGACACAACTCTGTTCCAGGAGCT
TTCGATGCGCTTCTACAGGTATTTCTTTTTTCTTTGTGTCAAGGATAAATGTGAAGATAG
CTGTGGAATTGTCCGAACATTTTTGCCTTGAAATTAAGCAATGTTTTATGCCTAATTTCC
CAAAGGACAAGTTATTTATGCCAGTATTAAAAGCAGCAACTTATATATTCTACGCAAAAC
AGAAAACCAGAAAGATCTAAATTTTGACAAGTCCCTAGTTTGATGAATT

Sequence 873

TCGNGGTGGCGGCCCGCCCGGGCAGGTACNCGGGGGAAAACAAAGAGGAGATTAAATGTG
TGGGTGGCATGGGAAGGGTGAGTTGGTATGGGTTGGGAAAGGCAGCAACAACTTCATTTC
CCTGAGCAGTTTCCATTGTAATCAATGTATTGGGTCAGCACCAACCTCTACCTGAGGTAA
AATATTTAACGCATGTTTCTGTCAGCCTTGGAATATGCTTTGCCCTCTTAGGTTTATATT
TGTGAGTTTGGGGTCTGGGTTAGGCCCAAAACTAGTGGCCTAGCCTTAGGCCAACCTCTT
CCATGAGGTGTGTTTTTTTTTTTTTTTCTTTTGACTGAGTCTCCTNTGTTGCCCAGGCTGGA
ATGCAATGGNGCAATCTCAGCTCACTGCAACCTCTGCCTACCGGGTTCAAGCGATTCTCC
TGCCTCAGCCTCCTGAGTAGCTGGAATTACAGGCACGCGCCACCATGCCCAGCTAATTT

Sequence 874

CCNGGCNGGTNNTNTGCTTTCAATCATTTCGGCAATACTGNTNANCCTTNAACCAAATGG
AACTTANANCCCATTNAAATTGACGTTTCAATTCAATCTAGTCAAATTGGGGAAAGACAA
AATCAAGAGAATTAAAACAATTTTTTTCTTAAAGTGTCATTCTTNCATAAAATATCNTTTA
TTATTTATTTATTCATTTNTAAAACAGAGTCTTGCTCTGTCGCCCAGGCTG

Sequence 875

CCGGGCAGGTACTGTGCTTTCAATCATTTGGCAATACTGCTAAGCCTTTAACCAAATGGA
ACTTAGAACCCATTAAAATTGACGTTTCAATTCAATCTAGTCAAATTGGGGAAAGACAAA
ATCAAGAGAATTAAAACAATTTTTTTCTTAAAGTGTCATTCTTCCATAAAATTTCTTTTAT
TATTTATTTATTCATTTTTAAAACAGAGTCTTGCTCTGTCGCCCAGGCTGGAGTGCAGTG

Table 2

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GTGCGATCTCAGCTCACTGCAACCTCTGCCTCCCAGGTTCAAGCTATTTTTGTGCCTGAG
CCTCCTGAGTAGTTGGGATTACAGGGGGCTATGATGTTGTCAACATGATGGAATAATCACG
CAACTATGAAAAAAAACGAAGACTATGAGGAAACATTTAAAGGCATATCAGAACTAAAGG
CTTCATGAGGTGGTGGCTCAAGCCTATAATCCCAACACTTTGGAAGGCCAACATGGAAGA
TCACTTGAGGGCAGGAGTTCAAGACCAGCCTGTGCCACATACCAAATCTCTGGTTTCACA
CCAAAAAAATAA
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Sequence 876
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CCGGGCAGGTACGCGGGATAGCATTCAGCTCCCAACAGAACCCTTCATTTTCTTTTTATG
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AGAGCCCTAATATCTGGATGATGTTTCTGAATTTAGTTGACATTGTCCACTTGGATGTCT
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TGGCTCTGCCTTCAAGTGTAGATAGAATCTGCCCTCTGCTTATCCACTGCGTTGCTGTTA
CTCGGCACAAGTTGTTACCTCCTACTGGATCACAAGAACTTCCACATTGGACTCCTGCT
TNCACCTGCCCCTTCAGTCTGTTTTTCTGTGCAGCACCCANAGCTGGCCTGTTAAAGCA
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Sequence 877
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AGGTACTTATCTCATAGAGTAATTGTGAGAACGAATGCTTTGAGCACAGTGCCTGCCACA
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CTCTAGAAAATACCAACATATATTTATTAAATTATTAAAGATTAGATTGTTTTAGAGTAG
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TTAATGCACATTGTGGTGGATGAGTCTTTTTGTGAATGTTGTGAACATTTACTTAGATCA
TTTCTAAAAGGGTGCTAGAGAATCTGCCGGTTCACCCTAATTGATGCCCCCTCTAAGTAG
CAAAGCANAAGAACCAAAATTCAGTCTCAGCACTTTAAAGGTTTTGATTCCTAAACTTGG
TGTTGGTCCCCTGCCTGCTTGAACATTGAAACACTTTCCAAAAAAATGA
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Sequence 878
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AGGCTGACTTAAGAGTCAGGTAAACTACCTCCTGCTGTGTTTTAATACTAATGCATTGTG
ACCTTGAACAAGAACTTGAACAAGAGTTCACATCTGCATAAGAGAGGTCTTATCTACTGG
TCTCCAAAGGATCTGGGGATATGGAGCAGGATCCAGCCATCACCCTGTAAATTACCTGCC
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GATGCTGGAAACATCTGCTGAAATTAATTCTCCAGTAATTTGGAAAGATCAAAACTCAAA
CCTTTTCTGACCCTAAGAAAGAGGGTCCTAAGCTCCCTACAGCTGGACTTCCAGATAAGA
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GGCAGTTCANGAATCANGGCTGGAACACAAAAAAGANGTGAAAGGGACACCAGGATCGAC
GTTTGGAAACAAAACNGTGGCCACCCCCTGNTTCCACTGACAAGGNGATTNCNTGGCTTG
GCTTGACATT
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Sequence 879
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CCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGGATGCCAGAATTGAGAGTCCATAGGA
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TATTTTCAAATGCAACTTCTTTTTTTTTTTCTTGCTCTAGTTAGGGCTGATTTTACCACTG
GGCAAATTGCATACATTTGGATCCATGCCACGCTAAATACTGTTTATTTTGGAGATCTGT
CAGAGGCAAGCACATGGAAGACAAGGGGATTCTGGTTTGAAAAGGCAATTCTCATCCAGA
CAGATTCAGATGGAGAGGAGCGGTGTGGATTAAAATGCGCCGAAGTGACAGCGTCTCACC
CTGTCACGTAGGCTGGAGTGCAGTGGTGAGATCACGGCTCACTGCAGCCTCGACTTCATG
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CACATCCGGCTAATTTTTTTTGTAGA
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Table 2

Sequence 880
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TCTGTCATCATCCTCTGTCCGTAGTGATCCCCAGACACTTTTGCATGGCTGTTTAGACAG
AATTTTCCTGCAGCTCTTTTGGGAGTAGCTCTTGAAAGTTTAACCCCTGACAGTTAATGA
AGAACAGTGAGGCTTAGGAGGCAGGTAGGCCTTTGAGCAAATAACTCTGAGCAACTGGTT
GCCATTGTCAGTTCTCCTATCAAGTATGCGTTTGATTTTTAAAAGGATTCCCCAAAGTTC
TATTTAGGACTACAGAGTCTCTAAGAATGTATT

Sequence 881
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GGGCAACATAGTGAGACCCTGTCTCTACAAAAATTTAAAGATTAGCTGAGTGTGATGGTA
TGTGCCTTTGGTCCCAGATACTCAGGAGGCTGAGGCGGGAGGATCACTTGAGTCCAGGAG
GTCAAGACTGCAGTGAGCTGTGTTCGTGCCACTGTACTACAAATCAGAACCCCTCCCCTT
CGAACTGCTGTTAAACATCTACTAGAGACTATCAGTGTTGTTATTTATAGAATCAGGAAA
TGCTAGGCTTCTCCTTCTTCTAAGTCCTAGATGCTGAGACTTCAGAAATTCACTGGTTTT
GTTGAGGTCAGGAGTCCAAGACCAGCCTGGCCAACATTGTGAAACCCCGACTCTACTAAA
AATACACAAAATTAGCTGGGTNTGGTGGTGGGTGCCTNTAGTCCCACATACTCNGGAGGC
TNAGGCANGAGAATCACTTGAACCCGGGANGTGGAGATTGCANTGGGCTGAANATCATGC
CACTTGCACTCCANCCTNGGCAAGAANTGAGAACTCTNTCCCTTCACCCAAAAAAAAAGA
AAAGGAAATTAATNGGTTTTGTTACCTTATTGAANTNGNGNGGGTGAACCGANCAAATTTT
CCAAGTTTCATTTTGCCCAGCCCTAAANAATGGGCTTTTTTNCCCCC

Sequence 882
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CTCTTCTCCTTCATAGCGTCCCAGTGTTGTCAGGAGGGCGCTGGTGGTAGCTTGGACCTT
GTGTGCCAACGCTTCCTCAGGTCTGGGCCTAACAGCCTCCACTGCCTGGGCTCACTCAGG
GAGCGCCTCATTATTTGGGCAGCCATGGATTCTATCCCAGCCCCACCATCAGTTCAGGGA
CACAACCTGACTGAAGATGCCAGACATCCTGAGAGTTGGCAGAACACAGGAGGCTATTCT
GAAGGAGATGCAGTATCACAGCCACAGATGGCACTAGAGGAGGTGTCAGTGTCAGATCCA
CTGGCAAGCAACCAAGGACAGTCACTCCCAGGATCCTCAAGGGAGCACATGGCACAGTGG
GAAGTGAGAAGCCAGACCCATGTTCCAAACAGAGAACCTGTTCAGGGCACTGGCTTTCTT
TTGNCACCCGGAAACGTNTGGACAAGAAACGTTCANTGCCCTGTNGCCACTGTAGAACTG
GAAAAAAAAAAG

Sequence 883
CCGGGCAGGTACGCGGGTAGGGATGCAGAACTGGCCACAGTCAGGGCTGGCCAACAAGGG
ATGGGATGGCAAGGGAACCAGTGGGAGACTGTTTACACCTTTGACTTCCTCTTCACAGGT
CAAGGCAGGACTGNAGCATTAGGTCTCAGAGATGCAATGAACAGGACAAATACACTTCCC
CTTCATCTGGATCTGAGGCTCTGGGCGAGTCAGTACCT

Sequence 884
CCGGNCAGGTACAGACAGGGTTTCACCATGTGGGCCAGGCTGGTCAACTCCTGACTTCAA
CTGATCCCACCTGCCTGGGCCTCCCAAAGTGCTGGAATTACAGGCGTGAGCCACCACGTC
TGGCTGGAAAATGTTTGTGGTTTATGCCACACTATTTATCTGGGCTTTTGTAGGTTCGTG
ATCAAGCAGCCAATCATCTGCCTGGGCAACCTCCTACTTAGACCACACCTCCCGCGTACC
T

Sequence 885
GGGGGACCTCCTCGTCCAAAGAAGGGAAGACCTTGTCGGCACCATTGAGAGGCGTGTTCT
CTTCTGGCTGCCGCTCGAGCACCGAGAGCTCCAGCTCGTCTACTGGCTGTGAGGGTTGGG
CCAGGTCCATGTGCCGGCAGGGAAAGTCTCCCCGCGTACCTGCCCG

Sequence 886
CGAGAAGGTCAAGCACCGGCTTCGTCCAGTCCGATTTCAAGGGCGACGTGCTGGGACGCG

Table 2

AGCTGCGCCTGAACGCCGGCGTGCGCTGGTCGCAGACGAAGCTCGACATCGACAACTTCA
AGAGGAGCGGCAGCGGCAACACCTACCAGCCCAACAGCGAACAGGGCAAGTACACCAATG
TGCTGC
Sequence 887
CGAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTGATGCTAGTTGTGATTTCCTGTAATTCTC
ATTTGCAAGCGGGTAAAGGGGGATCAATGAGATGATACAGAAAGGAGGAGCTGACAATTC
TTTTGTCCATCACATCATGACAAATACGTNTCAACAGTCCTGCACTGAAGTTTTACTGGC
AGCTNTTACTNTGGGAAGAANAGAAAAGGGGAAGGAAGCATTACATTTTAAAAGCCACGA
GGGAAGTGTTCTCCTTACACGATGAGTTTTCCCCTTCTAGGCAATCCTCCCCAGCTGCAT
TTACTGAGGGAGGAGGGATGAGACAGANAAGTGTCAGCCCTGAGAGCAACAGGAGGGCCA
GCCTGGCTCCCAAAAATGTAGCTCCTCCCTCTGAAGCCTGACCCCTCCACCTGGCCACTN
TTGCCGTCCCTGACATCCTAAACCANGGAGAGAAGCANCAGGGCAATANCAGGGTGAACA
GNGGTGCTTTTTGGAAGGGTTGCCATTAACCNGGATTTCCTAATCTTTCTTCCCAAAAAG
AAGTATNATTTGNCATGTCTTAAAACTTTTTAAA
Sequence 888
GTGATTGCTTTCCAAGGCCACCGAGGGTATCTGAGACTCCCAGGCCCTGGTTGGTCCTGC
CTCTTCTCCTTCATAGTGTCCCAGTGTTGTCAGGAGGGCGCTGGTGGTAGCTTGGACCTT
GTGTGCCAACGCTTCCTCAGGTCTGGGCCTAACAGCCTCCACTGCCTGGGCTCACTCAGG
GAGCGCCTCATTATTTGGGCAGCCATGGATTCTATCCCAGCCCCATCATCAGTTCAGGGA
CACAACCTGACTGAAGATGCCAGACATCCTGAGAGTTGGCAGAACACAGGAGGCTATTCT
GAAGGAGATGCAGTATCACANCCACAGATGGCACTAGAGGAGGTGTCAAGTGTCAGATCC
ACTGGCAAGC
Sequence 889
CCGCGGTGGCGGCCGAGGTACGCGGGACTCTGTAAATACTATGAATTGGTATCTTGACTC
TTTGTGATGCCAAATATTCATTTGACTACATTNNNTTCATTTCAAAATTTAAAATTTTAC
TTTTCAAACAAACAAAGTTGTGATTCAGAGTAATTGGAGGGGAAAAGAAAGCGATCTTT
GGCCCAGCGCGGTGGCTCACACCTGTAATCCCAGCACTTTGGGAGGCTGAGACGGGCGGA
TCGTGAAGTCAGGAGATTGGATACCATCCTGGCTAACATGGTGAAACCTTGTGTCTACTA
AAAATACAAAAAAATTAGCTGGGCATGGTGGCAGGCGCCTGTAGTCCCAGCTAGTCGGGA
GGCTGAGG
Sequence 890
CCGGGCAGGTACGTTCCAGGAATGGTAGATAGAGCATACATATAGGGCAGGCTGAGAGGC
TGGAAGGGCTGCCTTGAATGCCAGGCTAAGGAATTTGGACTTCCTAAGGAAGCATGGAGT
GAATTTTAGGCTGGGAAGGGATAGGATCAGATCTATGTTAATATTGCTCACCCCAATTGC
AGCGTAGAGGATGGGATAGAAGGGAATGTATGGATTCAGGGAGATGGCTTAGAACCCTAA
GATTCATGGTAGCAGGGTCTCGAGCAGGGGCTTGCTTGAGCAAGCAGGTCCCGTGGAGCA
GGTTTGTCTTAACTCTCGTTGTCTTTCTGAATGGGTATCAAAGAGGGGCTTCCTGCANCC
TGGATGACCGGGGCTGCCTTCCTTTGTTTGTGGGGAGGGACGCATGCCTGGCAACTTCAT
AGAGGTCCAGGCCATGGGCATTGCCAGAGGCTGAACANACCATGCTGAAGAAAG
Sequence 891
CCGGGCAGGTACTTTTTCTTCTTCTTCTTTTTTTTTTTTTTAAAGAGAACATCTGAATGAT
GTATTCGGAAAAAAACATTTCCCAAGAATATGGANAAAGGGAATTGAACATAATTCCCAG
TGTAAGAGTGGAATGAGCATGTGGCCCTGTGGGCCTAGTCCCAGTT
Sequence 892
CCGCGGTGGCGGCCGAGGTACGCGGGAGTTACTTAAGAACCACAGTTCCTAAAACATTTT
ATTTGGGAGCTCAACTTCTGGCTTCCTACTTACCAAGAGGCAGTAAGTTATAACCTCTGG
CCTTTGTCTTTACATTTTCAACTTTCTGGATCCCTAACCTCTGGTCCCAAGTTACTACGC
TTGCCTATATCCACTAACCACTCACTAGGTCACAAAGTTGATGGCTCTGGCTTGACCCAG
TGAATGAGAAGTGTCCTAGATGTTTTTTTTTTTTTTTTTTTCGCAAATCTTCATAGGCACAG

Table 2

TTGCCTGTTTAATTTTTTTCTTCAGCCCTTCCCTTAGAGGAGGGAGCCTTAAGTTACCTTT
CAAGGTTGGGGGTTAGGAATCTATCATAACTAGTCTAGAGATTTCTCACCAAGGGAAATT
TTCCTTATCTAAAAGAGGAACTTCAGGTCTCAACCCTGCCAGTCACACCCAATTAATGTC
CTTCACAAAAATAAACAGCATATGTTCCCTTTCAATTTGAGTTCAAGNGGCCCACACAAA
AAATTACCCTTTAATTTTTTT
Sequence 893

CCGGGCAGGTACCCATGAACATAGTTTTTACTCTTTTTAAAAGCTGTAGGCACTGGAAGG
TCAGTGTTCAGCCATGACAGTGGAAGGTCAGTGTTCAGCCATGACAAGGCCCAATGTCAT
GGGCCCTCTGTCATCATCCTCTGTCCGTAGTGATCCCCAGACACTTTTGCATGGCTGTTT
AGACAGAATTTTCCTGCAGCTCTTTTGGGAGTAGCTCTTGAAAGTTTAACCCCTGACAGT
TGATGAAGAACAGTGAGGCTTAGGAGGCAGGTAGGCCTTTGAGCAAATAACTCTGAGCAA
CTGGTTGCCATTGTCAGTTCCCCTACCAAGTATGCGTTTGATTTTTAAAAGGATTCCCCA
AAGTTCTATTTAGGACTACAGAGTCTCTAAGAATGTATTTCTGTTGTCAAGGTCAGGAGC
AAGATCATCTCTGTGGACCTGTCGGTTTGAAGGAGTTGCAAGATATTCTCATCATTCATT
GATTTATATACTCAAAAAACATATATTTGCATGTGCCAGGAAAAGGTAAGGAAAGGG
Sequence 894

GGTGTGGTGGCTTATGGAGTCCCTAACGTTTGCACAAAATGGTTGCTACATTCCACACTC
CCATGTGCCCTGAGCAACCTCCAGGGAAACTTCAGATACCGTGGGGCTTGGCCTGCCAGC
TGAGCTGACCCAGCGATCCTTTCTATCACAGCTTTGATCTTCACTGGGTTGGGAGCCTGT
CTGAATCTAAACATCTGCCTCTCTACTGCCCACCCCTTCGGCATTTCCTAGCTCTCCCTG
AAAGGTGCAAACATGCATGCAGTTACTCAAACAGAATATTTATCCTTAACTCCCTGTCCC
TCACAATTTCTTTTAAAACAATCCACTATTGTCTACCCCCGCCCCCGCATCACCCTTTCA
TCCAGGTGCCCATTCCCTTCTCTCTAGTCCTGCAATACCTAAGCATCGATCTGCCTTTAG
CACATCCATCCCCGCCTTATTCTCCACGCAGGAGCTGAGTGACCTGCACAAAATCCCCTG
CTAAATACGGGACCT
Sequence 895

CCGGGCAGGTACACCATGTCCAGTGATTCATGTCTGGACAGAGGCTAAGTCTTGGGTCAC
TCGCTTCACAAAGAGGCATCACTGTTCACTCAGGGGCTCCTACCTGAATCCCAGAGCAGA
CGGATTCAAATAAATGCACCAACCTCTATAGACCTGCCTTGCAACCTCAAACCTCTTGGG
GTCAAAAGCAAGAAGAAATGTTTATGATCCTAGATTGTAGGGGAAATAATGGTGATTTTT
AAAAACACAATTCCCCGCTGGGCGCGGTGGCTCACACCTGTAATCCCAACACTTTGGGAG
GCTGAGGCAAGGCAGANCATGAGTTCAGGAGATCAAGACCATCCT
Sequence 896

AGGTACTGGGCCTCTCTCTCTCAGTTCCCCACGTGGGCGCAGTCTGAGCTCTCATATCGT
CTTTCTGACATTTAATGTTTTTAAAAAGGATGACAAGGACAGTTCCCTTGGGAAGTCATT
TCAGTCACGACCTGCTGTGTATCTGTGGAGTTGACATGTTCTGCATAGTTGAGTGCTCCC
CTGCTCTGGGAAGCCTGCACGGGGTCCCTGCACACATCCCAGCATGGAGGGGCTCAGGGC
TGGGTTTGAGACGAAGGTGGGCGAAAGGTTCACATGAACTGAGGTCATGACAGAGTGATC
AGGTGGGACCAGGCAGAACTCTCGGCCCCCAGGGCTTGCTGGTACCTGCCCG
Sequence 897

ACCGCGGTGGCGGCCGNCCGGNCAGGTACCAGGGCACTCCAAATATGTAATTTAACACAT
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ATTGGAGGGCAAGGGGATTAAGTATCTTAAGTTTATTGTTTCCCGAGTGACCATTTTTAA
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GTCCCTACTGGTGCTGTGGACAGCACAATACACAATGGGGCACAAGAAAGCCACGCAGCC
TCCCCCTCCTAGACACATGCTGTGCACCCCCTTGGCTCTGCTTGGAAGGTTCAGCTCTGC
AAATGGAAGGTTGCAAACATCAGACACCTTCTTTCTGTTTCTGTCTCTCTCCCCTTCTTC
TCCCCACAGTGTCCAGCCTTGGCCCCTGACTTTTCCTGGGGTTGGGGAGGCCTGTAGGTT
CAGAAGCTGAGCAGCTGGGTGAAGACCTCCCTTACTCAATGTGCTCTGGCCATAGGGAGC

Table 2

AGACAAGCAAGCTGAGTTTGGGTAGCCCTAGACACATGGAAAAAGAAACAGCTTTCTTAA
CCTTCACCCCTTCATAAAATGACTTCATTAAAATGTCGCTNGGTTAATAAGGGAAAAANG
GTAGCACTTCCCTTGNTTANGGNCAAACCCCCCTNAAAAAGGGANTGGTTTTTTTN
Sequence 898
AGGTACACTGGCTGTGCTGTTTCTAGCACCATAAGGCAGTCATCATTATTGAGCCAGGGG
CTGTGCAAAATTGGGGTGATTGCAGAGCCAAAAAGCGGGCTGGAGGGTGGTTTCTGGAAT
GCCTGTTTTACTATTCTTCCTGTTCCTTTGCTCTTTCTGCCAACTTCAGAATCCTTCCTT
TCCTTAAAACATTTAGTGATATCCCTGAATTTATTTAATTGCTACGTGAGTGATTTTTGC
CCCACAGCACTGGAAGATAATTGGAATGCATTCTAGCTTATGTGCTCTGGATAATATGCA
ATTTACCAGCCAGCTGGAGAGTAGGTATGCCTTTGTCTCACAATGTCTTGTAATTTTTAA
AAAGTTTCTCCTATTNGCTGGGAGTCTCTTGNACCTTTCTTACGGCCATCATATATCCTA
CTAATGGGGGTCCCTTATNGNCTGAAATGTGTANAACACTTCTTTTTGGTAATACTGGAA
NAAGCTTNCTGGGCCNAATNAGGGGAAGAANACCCGNCTTTTGGTTTTTNGTGAATGGNC
NCTTGTGCNAGTATGGGCNCCCCAAATTAAAACCCCTACCGGGAANTTGNCCCCCCCCCC
CCCCCCCCCC
Sequence 899
CCGGGCAGGTACCTACTCAGTTCTGCTGATGGTAGCGTAAACGCCACTATATACATAAAG
AAATGGGTGTGGTGGTGTCAATAAAACTTTATTTACAGACAGGCAGTGTCCTGACTTGGG
TCCCATTGGCTGTCGTTTGCTGACCCCTGCAACTTGACGCTGCAAAGTGAACAGCCCAGC
ACCTCCCAGGCTGCGGTTAGGACCTCAGCCCGTCACCGTCATCTCCTGGGTCTCAGTTTT
CTCATCTGTAAAGTGGGGCTGAAGCCACCTGCCTCATGTTTCTCCTGGGATTTTTGTAAA
ATAGTGCACAAAAGTAGACAGAAAGCTCCAAAGGCAGTTTGCAAATAGGAAGACACAATC
AAGTCTATCTGTGAAAAACATTTATTNTGAGAATCTAAAATCTGGACAAAAGTACCT
Sequence 900
AGGTACCAGGTTGGGCTAAGAGATGAAAAACCAGGCTCAAGTTGGGCCAGAGATGGACAA
TGAGCCACTTCCACCAGAATTCCCAGCCACATATGCCCACCTCTGGGTCAGAAGAGCCAA
ACGTATTTATCGCTTTTGCTCAGGGCCAACATAGACACTTGATTCTCTCTCAGGGCTGTG
TTTTCCCCCAAATGTATCAATACATCCCTATTTTCTTCCCCCTTTGTTTTCCTTTCCCTG
GTGACCTGCTACCCCACACCCCAGCACACTGATGGTGTTCCCTCCACCACACCGAGACCC
CGCCACAAGCTCTCAGCCCTNGTAGAGCACAGGCCCCACCCTGAAAGTTGGCAGAGCACC
GGGCTATCAAGCTGTGTCATGTGGAGCCAGCAAGCCCGGCACAACCGTG
Sequence 901
GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACACACGCATGCCAGCATGGGAT
GGGAGGCAAGGTCTACTCACACATGCACCAGTAAAGCAATGTGTGTGTGTCAAGGGGGGA
GGGGAGGTAGTGGTCCATGCCTGAGTAAGTGCCAGCAAAGCAGCAGTGGGGAGGCTGTAG
TGGGTGANGTTGTAG
Sequence 902
GTCTCGAGCGCGCGCGCCATCGGCAGCATCGGCGTGATGCCGATGCCGCCCGCGATCAGC
ACGGTGCGGGTGCTCCCCGGGTGCAGCGTGAATCCGTTCAGCGGCAGGCTGACCTCGAGC
GCCATGCCCGGCTCGAATTCGTNATGCAGCACGCGCGAGCCGCCACGCCCGCCTTCCTCG
CGCTGGACCGNGATGCGCAGCATTCCGCCCTCCTCGCCCACCACGGAATAGGCGTTGCGG
TGGCGGGCGCCGGCGCGCGAAGTGAATGCGAGTTCGACGT
Sequence 903
GGGGGACCTCCTCGTCCAAAGAAGGGAAGACCTTGTCGGCACCATTGAGAGGCGTGTTCT
CTTCTGGCTGCCGCTCGAGCACCGAGAGCTCCTGCTCGTCTACTGGCTGTGAGGGTTGGG
CCAGGTCCATGTGCCGGCAGGGAAAGTCTCCCCGCGTACCTGCCCG
Sequence 904
AGGTACCAGCTACTTGGGAGGCTGAGGCAGGAGAATGGCGTGAACCCAGGAGGCGGAGCT
TGCAGTGAGCTGAGATCATGCCACTGCACTCCAGCCTGGGCGACAGAGCGAGACTCCATC

Table 2

TCAAAAAAAAAAAACCAAAAAAAAACAGTGCTTGTTGTTCTTTTGTTGTTATTGTTAAAGGA
TCATTATCTCATTATCAACAACATTGGCAGGTAATTGAGCAACTGTTTGTCTCCTTGTCA
ATGTGGAGATAGAAAATTGCCTACGAGGTTGGACAAGGTGCTGGAGCAGCGTCAAGGAAG
AGAGATCGAACAAGAAGACTGCTTTGCCCTTGGACAGCTTTGTTTCTGAAGCACTTTCTC
ATATTCTCCCATTTAATCATCCCCTCCCTGCCAACTT

Sequence 905

AGGTACAAAACTCAAACAAAAGCATATTCTGTGAAAAGCAAGTGTTCTCTACCCCCTGCC
TTCCCATTTCTCTCCCTGGAGGCAGCCGATGATCCTGGTCCTTCTGTGTCCTGCTAGGAA
TGTTCTAGCATAAAGCTTTTAGATGCTGTCCGGGACACTAACGTCAGGATTCTGCTTGCT
GAGAAGGNGTTAGGAGCTGGCTGTCTTTGAGACAGAAAACACTGAGTATGTTTTGAGTTC
ATGGGAGATGAANATTTGTCCCTGGNGANAATTTTNNTTGGNNTTTGCTTTTGGAGAAGC
CCNNACCANATCAGAAATTAAACNTCTAACACCANGGGAAACAAAAAAGATTTTGGTTTG
CCCCGGGGGTGCCTTGTTTTGGGNTCNGTGNTTCTTTCCCTNCATTTTANGGCCNTTGTT
TTCTTGAATTGGGNG

Sequence 906

AGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGACCAGCCT
GGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAAATTAGCCGGGCATGGTGGC
TCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAACCCAGGA
GGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCCGACTAGAGC
AAGNACTCCATTCTCAANAATAAAGNAAAGNAAAGAAAACAAAGAANAAGNAAAAGCTTA
TATTTGAACTTCTCTTAATAAAAAGNAANGAAAGNAGCAAAGCCTTGGATTGCCACACCA
AAATTCTAAAAATTTTGGGGCAAGTTCGATCAAATTTAAAAGGGATTAATTTTATTTTTG
GCAATCACCAAAAAATTAAATTTCTTTTTACNTTCCCCCCCCCCAANAAAAAATTCAAATTA
AAAAAAAGTTTNCAAAANTTAGGCNAAACCTTTTTTTTCCCTTAAATTGGTTGGTTTTAGA
AAAATTGGTTAATTCCAACCCCAAAATTTACNATTTGTTGGTNCCCCCCCCAAAACCTTTC
TT

Sequence 907

CCGGGCAGGTACTACAAGATCAAGATTTTTTTTCCTAAAGAGCCATTTGTCTTATTTTAGC
TTCAAGCCAAGCCAGGGCATCTGAGAAATACCAAGCCTCCGTTGTGATGTGTCGCCATGA
AAATGTTGGCTGCCCTCTGGATGCAAGTCTGCTTGTGCTGTGCTGTGGCTCAGAGTTAAA
TTTAGATAAAAATCAGTTAGGAGCTAAGAATATTCCCAGCTTTCCTGACAGGTTGTATCC
GTCATTATGGGAGGAAAAACAAGGAACTGGCTGCCTGGCGACAGGGAGCGGGCCAGGCTG
AGTGTGAGGTCAGGCCTCGGCTGGAATCTCACGGACTTGAAAGGACAGAGACGTTTCCTG
AGATGTCTGCGGCANAATGTGGGAGGCTTNAGCCTTGAGGAAAGTTCAAGTTTGGGAGAG
AAAGGTTGCCANACCCTTTGAGGTGACCCACACTGGCTTTATAACTTCTAAGAAGGNTCT
TTTAGGGGAAACCTGCTTTAGAATGAAAACCCCTGAAAACGTCCCTTTTGCT

Sequence 908

AGGTACAGTTGTTCAGGGTGAAGATTTTTACAGAATTCAGTAAGGATGGATTATAATATG
CTGAACATTTGGTTGCTTTTGTAATAATAGAGGTGGACAGCTGAGACAAATCTAGACAAA
ATCTTACACTGACTGTTTTGTAACGACATACGAATGACCCTGAACTTTTTAAGTAACTTA
AGAAATAGGCCGGGCACGGTGCCTCACACCTGTAATCCCAGCACTTTGGGAGGCCAAGGC
GGGTAGATCACAAGGTCAGGAGTTCGAGACCAGCCTGGCCAACGTGGTGAAACCCCATCT
CTACTAAAATTACAAAAATTGGCCGGGCGTGGTGCTGCGTGCCTATAATCCCAGCTACTT
GGGAGGCTGAGGCAGGAGGATTGCTTAAACCTGGGAGGCAAAGGTTCCAGTGAGTTGANA
TCATGCCACTGCACAACAGCCTAGGTGATAGAGCGAGATCGCGTCTTTGGAAAAAAGGAA
AGAAAAGGAAANGTTAGCTTGACCACTCTTTNNGAAAATAATACTNGAAAAGGAAAAA

Sequence 909

CCGGGCAGGTATCCCTGTTGTCTGTGCTATACTGCAGGGGGATTGGTCAACAGGATGCAT
TCCTTTCTGTCACAGTTCATTATACTGGTCAGAGTTCTGAGGTCACCAGCTAACCTGAGC

Table 2

ATAATCAGTTCCTTGGAAGACATTGGGTGGAGTGACCTCATAGACTCATAGGAAACCTGA
AAAGAAGCCAGGGGAGAAACAATTGTTTTGAAGGAGTAGGGAGATTTCCCAAAGCCCAGC
TGGAATGCTGTTGCCAGGAGGAGGAACCAGTTAAGGGGCAGGGACCAGCCTTTTTGGAAA
TGCTTTGTAAGAATGCCCTAGGGAAGAGGAA
Sequence 910
CCGCGGTGGCGGCCGAGGTACGCGGGTCCAGAAGTAATTTATTGGCCTGACACCAGGCTG
TGTATAAATTCACAAACGTATATAACCTACTCCCAGAGGACCATGTGCATGTGGGAGGGA
TTGGACAGATTGTTCTATATTTCCTGGGTGACAGGCTGTGGTGGGAAAGGGCTGGGGACC
CTGAGTGTTTGGCTTGTAGCCTACACCTAACACCAGCTTTTCTTGGTCAGTGCTGGTGAT
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AACCAAAGTGTGGGGAGAGTGCCTTCAGGGCAGGGCTGCTGGGAAGTGGCAGGGCGAGGA
GGCTTCCTTCTGTCCCCATGATTCCCTCACATAGGGTAGTGCTAAGCCGAGGTCCAGAGA
AGGTAAATGGGAGAAGTCTCATAAAGAGTTGAACTTGTAGGAATCAGGGGTGCCCGTTCA
GCATGGCAATTGAATCCTTGATCCTCAGGGAGTTAGCTAGATCCGACTCACACCTGCTGG
ACCGTGGAGAGCCAATGTCCCTCCC
Sequence 911
AGGTACAAAGATCTGTCACTTGGTTTCAGATCATAGCTGTATGAGTGAACCTTCAACCCA
TTAGTGACCTGAAGTAGTCTCATGAGTCCCAGATAAATGTGCACCTACAGTGCTGCCCCT
CAGTTAAACCCACTCCAGGGCCTTGTTTTTCCCTGTCTTTACCCAGTCCACATGGACCTT
GCACCTTGGTTTGAGTTAATCTCACTCTCACAGCCTTTATTTCTTTCACATTCAACCCTC
ATTTGAAGTCACAAACAGGAGCTTCTAACCTCCCAAACTGTTTTTTTTTAATCTCCGCCTG
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GCTGACATCACGTTGTAGTAGTGGTAAACCTGTGCCTGGATTGCATTTCAATTGTGCTAG
CCCTAATAGACTAGGAATGCCAATTTCAGAGAGGAGGGACTAGAGCCAAGATTGAGAAAG
AAACAGGA
Sequence 912
AGGTACCCGCCCGGCGCAGCCCCGATGCCTTCCTGTGAATGGGACAGATTGCCATATGGA
TGAAGACACTGAACAAGCTGTAAAACTCTTGGCGACATGTGCCCGGGGGGATTGTCCCAT
ATTAACACCACCTGGGCTGTGGCAATTGTGCTCTGTCTGTGCAGTGGCACTGAGGAGCCC
AACAGGATGTTATTTTAGAGTACCTGCCCG
Sequence 913
GGGGGACCTCCTCGTCCAAAGAAGGGAAGACCTTGTCGGCACCATTGAGAGGCGTGTTCT
CTTCTGGCTGCCGCTCGAGCACCGAGAGCTCCAGCTCGTCTACTGGCTGTGAGGGTTGGG
CCAGGTCCATGTGCCGGCAGGGAAAGTCTCCCCGCGTACCTGCCCG
Sequence 914
GGACCTGTGGGTCAACTAAACCTCTTATCCTGNTAAATTACCCAGGGTTTTCCACTGGCT
ATGACATACCCAAATGGAAATATCAAGTAAGCAGTTGGATATACAGGTCTTGAGTTCATG
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CAACACCAAGCTAATACATACAAGGATCTGCTATTTAAATACCANTTATGAACCATGCTA
ATTCTATGATCTTGAGAAAATAACGACCTCACTCCTCCATCTTCTCATCTGAAAAATGGG
AATGAAAGTAATGCTTTTTTAGGGTGGNTGTGAGGATTNCCGCGTNCC
Sequence 915
CCGGGCAGGTACCTCCTTTTTAACCTCTAGCTGATCTTGGAATTTCTTTTGTAGTGTATA
ATTGGGAAACAATAGGGATCAATGCTCTTTCCTGATCTCAAAGAAGCCCACTCTCTAGAG
AGAAAAGCAAGACCTATAATATTGAAGATTTGAGAAAAAGTTAAATTGTGATAAAACATG
CTGATTTCTCACACTGACTTAGGAAAAGCACCTAAGCCTCAAAAACGAGAATTGTCTTAG
GAGTTAATGCTGTGGCTATTCTTGTCCTGGCATTTGGGTGAATGCATGAATTCTTTATTT
CAGTTTATAGAATAAGATAAACTATCGAGAACTTCAGGTTGCTGCATAATTTTTGACAGCC
ATTCCCTGTACCT

Table 2

Sequence 916

CCGCGGTGGCGGCCGCCCGGGCAGGTACCCATGAACATAGTTTTTACTCTTTTTAAAAGC
TGTAGGCACTGGAAGGTCAGTGTTCAGCCATGACAGTGGAAGGTCAGTGTTCAGCCATGA
CAAGGCCCAATGTCATGGGCCCTCTGTCATCATCCTCTGTCCGTAGTGATCCCCAGACAC
TTTTGCATGGCTGTTAGACAGAATTTTCCTGCAGCTCTTTTGGGAGTAGCTCTTGAAAG
TTTAACCCCTGACAGTTGATGAAGAACAGTGAGGCTTAGGAGGCAGATAGGCCTTTGAGC
AAATAACTCTGAGCAACTGGTTGCCATTGTCAGTTCCCCTACCAAGTATGCGTTTGATTT
TTAAAAGGATTCCCCAAAGTTCTATTTAGGACTACAGAGTCTCTAAGAATGTATTTCTGT
TGTCAAGGTCAGGAGCAAGATCATCTCTGTGGACCTGTCGGTTTGAAGGAGTTGCAAGAT
ATTCTCATCATTCATTGATTTATATACTCAAAAACCATATATTTGCATGTGCCAGGAAAA
GGTAAGGAA

Sequence 917

CCGGGCAGGTACGCGGGTGTCTTCTTCCTTTTTTTCTTTTTCATTCTTCTTACACTTGAAT
AAAATCCAAAAATTATTCTTGGCCCACAGACCATATTTGCCCACCCCTGCTTTAAGGTGA
TTCTTTCATGTTTGATACATCCAAAAAATGAGAGCTGATACCTGATTCTCAAACAAATTA
ATATTTTTGCCTAAATGAATTTCATGGTTTGCCATGGTGGCCCCCATCTGTAATCCCAGC
ACTTTGGGAGGCCAAGTTGGGGGCAAATCCCCTGAGGTCAGGAGTTCGAGACCAGCCTGG
ACTACATGGTGAAACCCCATCTCTACTAAAAGAACAAAAATTAGCCAGGTGTGGTGGCAG
ATGCCTGTAATCCCAGCTACTTGGGAGGCAGAGGCAGGAGAATTGCTTGAACCCGGGAGG
TGGAAGTTGCAGTGAGCTGTACCT

Sequence 918

CTAATTTAATCTCCTTGCCTAATGTTCTTTAGTCCTCCAACAGGTCTGCCTACTTAAACA
ATTTCTAGTCACAGGATGNGGCTGCCACAGTTTTATCTCCATCTGGCANAACATAACCAA
CCCGCTTGAGCTCTNAGCTCCTGTTTTTATAGCAACTAAAGTTTCCTTGTTCACCCGNTCC
CCCACGCCACCTCCATGACGTGCATTTCTCGTAAAACTACAGATCAGTAAACTANCTCAG
GGAACTTGCAGTAATGTTTGACAAAAAAAAAAAAAATCAAAAANCAAAAANCTAGTACCCC
TGNGATGTGTANCAAAATTCATCANACTAGCTTGTNTGTTNTGGCACTGATTGCCAGGCA
AGCTTCCATTGTGCCTTNATAGCTCATACACNGNGCNCTTTCCCTGTATTNAGGCCCCTT
GTNGGGTTNTCTGGATCCATGGGCAAAAAACTTGANTAGGGGGGNGGGAAANA

Sequence 919

ANGTACGCGGGNNAGTCTCGCTCTGTCACCCAGGCTGGAGTGCAGTGGCGCCATCTCGGC
TCACTGCAAGCTCTGCCTCCGGTGTTCAAGCGATTCTCCTGCCTCAGCCTTCTAAGTAGC
TAGGATTACAGGCGCGCGTCACCACGCTTGGCTAATTTTTGTATTTTTAGTANAGCCGAG
GTTTCACTAAGTTGGTCAAGGATGGTCTCAAACTTCTGACCTCGTGATCCCGTCCGCCTT
CGGCCTCCCAAAGTGCCCGGGATTTACAGGCGTTGAAGCCACCGCGCCCGGCCGCTCTAG
GAACTAGTGGGATCCCCCGGGGCCTGCAAGGNAATTTNNNAATATTCAAGNCTTAATCGG
ATTACCCGGNCGAACCCTTCGTANGGGGGGGGGGGCCCCCGGGTACCCCCAA

Sequence 920

CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGCTTGGAAAATTTTCCTCCATC
CCTTTATTTTGAGCCTATGTATGTCTTTGCATGTGANATGGGTCTTGTCTTTTTATCTAG
CTTGCCATTTTGTGTCTTTTAATTGGGGCATTCNACCCATTTACATTTAAGGTAATATGT
TTGAATTCAACCCTGTCATCATAATGCTGGCTGGTTATTTTGCANACTTGTCAATGTAGA
GAGTGAAAATAAGTGAAGGCAGAATCCTGGGAGGTAAGCCAGCCTGAAAATATTGATGAC
ACTGGATGGCCTTAAGTTTCCATTTTGACTGGCATGTAATCCAGCCAAAGA

Sequence 921

TCTGAGCTTCCCTACCTCTTGATTTGTTTGCAGTGCTGCTAGTCCACCCTAATCTCTGCC
TGCTCAAAACTTCTCTCAATGCAATTCAGAGAGATAGAGTTTAGCACTACAGTGACTTAG
ATGTATGTTGAATTTGATCTTTAAATAAATCATATGCATCTTAAGGGCACAGATGAATTT
GATGATTCTTTTGTGACATCTTGCAGTTGATCCTTAACAAATAATTATTAGTAGATAACA

Table 2

ATCAACAACCAATCCAGTGTTTATTCTTACCTGCCATGTTAATCTCTCCATTTGAATCTA
CTTGAATTATTCTCTTTTTGTTTCAGTGTTGGAGTGTAATTGTTCCAGCATAA
Sequence 922
NGGCGCTTTTCTTCATAAGCTTCACCGCTGGTANGTATCCTCAAGTTTCCGGTNGTTAGA
GTTCGGTTTCCGCTTCCCAAAGCCTGGGGCTTGTGGTGCCACCGAAACCCCCCCCCGTTT
CAAGCCCCGGACCCGCTTGCGCCCTTATTCNCGGGTAAACNTATCCGTCCTTNGAGTTCC
CAACCCCGGTTAAGGACACGGACCTTATNCGCCCACTGGCAGCCANCCCACCTGGTTAAC
CAGGGATTTAGCAAGANGCCGAGGGTATGGTAGGCCGGTGCTTACAAGAAGTTTCTTTGA
ANGTTGGGTGGGGCCCTAAACCTACCGGGCTTNCACCTTAGAAAGNAACCAAGNATTTTG
GGTTATTTCTGCCGNCTCCTGGNTTGAAAAGCCCCNGTTTACCCTTTTCNGGGAAAAAAA
AGAAGTTTGGGTAAGCCTTCTTTTGATTCCCGGGCCAAAACCAAAACCACCCCGGCTTNG
GTAAGCCGGGGGGGGNTTTTTTTTTG
Sequence 923
ATCACCCGTTGGCCAAGGAGTCGCGTGTCAGTCTCAAGGCGTTATCCGAACATACGCTGG
TCGTTACCGATCAGGTCCACAGTTGGCAGCATGTGTTGGACCTGTTCAGCTTTTACGATC
TTGCACCCGCCGTTGTGCACCGTGTGCGCACGTTCGAGTTGCAGCGTAGCCTCGTCGCCA
ATGGGTTTGGCGTGGCGCTGATTTATACC
Sequence 924
AGGTACAAATGTTTTCTGGACAATCTGTGCTGTGATTTTGGAAATTGTGTGTGAAAGAGG
AGAGTAGCTGGGCGTGGTGGCTCGCGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGAGG
GTGGATCATGAGGTCAGTTCAAGGCCAGCCTGGCCAAGATGGTGAAACCCTGTCTCTACT
AAAAATAAAAAAAAATAGCCAGGCATGGTGGTGGGTGCCTGTAATCCCAGCTACTCGGGAG
GCTAAGGCAGAGAATTGCTTGAACCCGGGAGGCAGAGGTTGGAGTGAGTTGAGATCACGC
CACTGCACTTCAGCCTGGGCAACAGAGTGAGACTCTGTCTCAAAAATAAAAACAAACAAA
CAAAAAAGAAGAGAGTGAAAGAATTTGAGTCCTTGCACAGACAATAACTGTTTTTTATGT
TTAAACTTTTTAGTTTCTTATGTTAAACTTTTTATGTTTAAACTTTCAAAAGGTTGAATA
AATTTCACCTTATGCTTGCATTATAATAGCAAAGTTCCTTGATATGCAAAAGCCACAAAA
GTAATTTTTAGCTTAAGTACCTGCCCGGGCGGGCGCTCTAGACTAGTGGATCCCCCGGCT
GCAGGAATTCCATATTCAAGCCTTATCGATACCCGTCCGANCTCGANGGGGGG
Sequence 925
TGCGCCTCGGTCGTTCGGCNTGCAGGCAGAGCCGGTATCAGCTCACTCAAAGGGCGGGTA
AATACGGGTTTATTCCACAAGANATCANGGGGGGGATAACCGCAGGNAANAGNAACATGTG
GAGCCAAAAAANGGCCANGCCAAAAGGCCAGNNAAACCCGTAAAAAAGGGCCGCCGTTGC
TTGGCCGTTTTTTTTCCCATTAGGGCTCCGGCCCCCCTGGACCGAGCCATCAATAAAAAAT
CGGAACGCCTCAAATTCAANAAGGTGGCGAAAACCCCGNNCAGGGACCTATTAAAAGGAT
ACCCAGGGCGGTTTTCCCCCCTGGGAAGGCTTCCCCTTCGTNGCGNCTCTCCTTGTTTCC
CGACCCTGCCCGCTTACCCGGGATACCTTGTCCCGCCCTTTTCTCCCCTT
Sequence 926
TTTTATTTTTGCCAAAGCATGTGANAGTAAGTAGCAAACATCATGACACTTCACCCCTCA
AATATTTTCCCACGTNTCACTTAANAACAAGGGCATTCATTCTGTTACATGACCACAATA
CANTCAGCACANATAGATATTAACATTGANACAATGCTCTGATGTATTGGTATCTACTAT
GCAGTTCATAATCAAATAAGGGTTTTGGTAACTTGGGATCCATAAATGGTCTGCAAGGTC
AGCCCCTGTANACCTGCACTTAGTGGGGGCCATTTCCCTGTCTCANGGGCCTGCTCTACT
GGNGATATTTTTTCACTGGCTCTGTTGCTCACTTANA
Sequence 927
CCGGGCAGGTACGCGGGTGGCCGAATCCTGGCTGCTGGAGGCAAGTCAAATCATCTTCAT
TTGTGGTGCTTGGAAGCTAGGCAGCTCTTTAGAATTATCCAGATGCCCACTAAAGTTCGA
GCCATTCGCCATCTGGAATTTCTTCCTGATAGTNTNGATGCTGGTTCTAATCAGGTTCTT
GGAGTACCT

Table 2

Sequence 928
CCGGGCAGGTACGCGGGGAAGCTCTTGAGCTCCTCTACCTCTTAGAAAGCACAATTGAAT
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Sequence 929
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Sequence 930
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Sequence 931
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Sequence 932
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Sequence 933
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Table 2

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Sequence 934
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Table 2

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Sequence 941
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C

Sequence 942
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Table 2

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Sequence 946
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Sequence 947
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Sequence 949
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Sequence 950
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Sequence 951
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Table 2

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Sequence 952

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Sequence 953

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Sequence 954
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Sequence 955

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Table 2

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Sequence 956
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Sequence 957
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Sequence 958
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Sequence 959
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Sequence 960
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Table 2

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Sequence 963
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Sequence 964
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Sequence 965
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CCCCCANCCCCCCACCGNNNNGGGNGGGTNAANCCCCTTNCGGGGGGCCCCCGCCNTTCC
TTTAAGGTAAAAACCTTAAGGGTTGGGGGGAATTNCCCCCNCNCCGGGGGGGGCCTTTGGG
CTAAGGGGGAAAATTTTTCCGGAATTTAATTTCCAAAAAGGNCCTTTTAAATTCCCGGGA
ANTTAACCCCCGGTTCCGGGAACCCCCTTCCGGGAAGGGGGGGGGGGGGGGGGGGCNCCCCC
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GGANGGGGGGGGGGTNTTTAAAAAATTTTTNGGGCCCGNCNCGGCCTTTTTGGGGGCCCGG
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CCCCCCTTTGGGTCNGGGTTGGGNAAAAAAAAAAATTNTNGGGGTTTTTAAAANTTTCNCCC
GGGCNTTTTCCAAACCCAAAANTTTTTTNCCCAAACTAAACCCAAAACCCAATTTAACCT
TNAAANNGCCCCCCGGGGGGGGGGGAANGCCAATTTAAAAAAGGGTTNGGGTTANAAAAAAG
GCCCCTTTNGGGGGGGGGGTTTGGCCCCCTTTAAAATTTGGGAAGGTTTNGGAAAGCCCTT
AAAAACCTTTNCAACCAAATTTTTNAAAAATTTTNGGGGCCGNTTTTGGGCCNGGNCCTTT
TAACCTTGGGGNCCCCGGGNCTTTTTTTTTCCCCAAANGTTCCCGGGGGGGGGA
Sequence 966
CGGGGNTGGGGGCCGGGGCTCCGGAAGNGGGTAAACCTNTNTNTATGTGTGTCTNTNTCT

Table 2

NTNTCTNTNTNTNTNTNTGTGTGTNTGTGCATACCAAAAAAANAAAACCTGGGTNTNTNAA
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TAAAGGCCCNANTTAAAAAAAAAATTNCNTTGGGGGGGGNCCNCCANCCNGTTTTGNNAANC
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TTTTNGGCCCCCGNAANAAAAAAAAGNNCCCGGGGAAAAAACCTTTGGGGTCTTTCNCCAA
AGGCCAAAGGGCTTTTTGGTNAACCNCTTTGGCCCCNCCGGGGGGGTCCNGGGGGCCNCCGN
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Sequence 967
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TGGTATTTTCCAGAAAACTGTATTTGCTTTTACTTTTTTTTTTTTTTTTTGAGACGGAGTTT
CGCTTTTGTTGGCCCAGGCTGGAGTGCAATGGT
Sequence 968
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ANANAAAAAAAAAANGTTCCTGCCCGGGC
Sequence 969
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TGTAATCCCAGCACTTCGGGAGGCCGAGGCAGGAGGATCACGAGGTCAGGAGTTGAAGAC
CAGCCTAGCCGGGTATGGTGAAACCCTGACTCTACTAAAAATACAAAAATTATCTGTGTG
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CCCAGGAAGCAGAGG
Sequence 970
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TACATTTTCAACTTTCTGGATCCCTAACCTCTGGTCCCAAGTTACTACGCTTGCCTATAT
CCACTAACCACTCACTAGGTCACAAAGTTGATGGCTCTGGCTTGACCCAGTGAATGAGAA
GTGTCCTAGATGTTTTTTTTTTTTTTTTTTTTTCGCAAATCTTC
Sequence 971
GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGAGGGCAAAGGGAGAGAA
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GATTATGAGGTATCAGTCAGTTTTGCTATAAAGGAATACCTGAGGTTGAGTAATTTATAA

Table 2

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TCGGAGGTGGGCAGATCACCTGAGGTCAGGAGTTCGAGACCCAGCCTGGCCAACATGGTG
AAGCCCCACCACTACTAAAAATTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAGGTCCCTG
CCCG
Sequence 972
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CCGGGCTTGCANGTAATTTGATATTAAGCTTATCGGATACCCGTTCNACCTTNGANNGGG
GGGCCCGGGNACCCAGGCTTTTGTTTNCCTTTAATTGAGGGTTAAATTGCTCCCNTTNGG
NNGTAAATCAATGGNGCATAGNCNTTGTTTTCCTGNGGNTGAAAATANGTTATTNCCGCC
TTCNCAAATTTNCCNCCACCAAACAATAACGGAAGCNCGGGTGAANCCATNNAAAANTNG
NAAAAAGCCCTT
Sequence 973
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ATTGCCTTCATTTGAACTACACCATAAGTTACAAACTCACGTCAATGTAAGGTGTTGTGA
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AAACGTTTGGGGGGAAAACATCTGTATTACATCAAAAGTANGTTTATCTTGTGCCTCAGT
TGATTCTTGGAAAATCTGCTCTTGGGGTTTGGCC
Sequence 974
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ATGCAAATTGAAGCTGAATGAAATTGAAAATCTAGTCTCTCAATCATATTAATCATATTT
CACCTATTGTATAATGCAAATGTGGAACATTTCTATCATCCCAAGCATTCTACCTAACTT
TGGACAATAGTCACCCCTTCTGGGGAAGAAAGTGAGATTATCCTTAGGGGAGGGAAAGAA
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AAAAAATCAAAGCCCTACAGGTTGGCATTTATCATGGGGGATGAAAAAGGGAGGGGAAAT
ATGGGTCAAA
Sequence 975
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AGTAAACACTGGAGGACCTGGGAGTGTGGNGCTTATTGATGGATCGTTGGGTTTATCCAG
GATTGGGGTTTTGCCAGATGGCTGTGATGAAAATCTT
Sequence 976
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TGCACTCAGCAAACCCTCCAAGTACCTGCCCG
Sequence 977
AGAGACCGGGTCTCACTATGTTGCCCAGGCTGGTCTCGATCTCCTGACCTTGTGATCCGC
CCACCTCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCCTGGCCTCCTT
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Table 2

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AGTACCT

Sequence 978
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GGGGGCATTCCTCCCGCAAAATAAGAAAAGTGCCAAAAGCACTGATTCCCAAGTGTGGCA
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AACAGCAGCAATTAGGAAAAACATAGGAGTAAAAATTGTTGAAAGACACTATGACAATGC
GACGTCCCGCGTACCTT

Sequence 979
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TGNATCTTATNACCCATCACAAAAAGGAANAGCNCTNCCTACGAAATNGATTTTGGTCAC
CTTTCCNTGGCTTTTTCNTGGAAAGGAAAAGATACTTTTTGGNAGNTCCTTTTTTAGTCC
CANGNGGTCNCTTGGGGGCTTTTTTTTTTTANGTTTCAGGTTTTGNAGNAAAAAANTANCTT
TTTCCATTTTTAAAAAAAAACCCCT

Sequence 980
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ATCCCGGTTAAACNTAATTCGGTCCTTGGAGTNCCAAACCCCCGGGTTAGAGGAACAACC
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Sequence 981
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TTTGGGCTCTGCTTTCCTGTGTTACTGTTTAGACAGTGTCCCCAGCAGAAAAATGGAGA
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CTGTCTAATGCATGAATAGGGTTGCTTCATGTAGTTTATCCAATTTACAATTGTTTATGG
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GCCTTTTTTAAATTAAAAATAGCACTGCCAATAAAACCTTAATTTCCATACATCAAAAGTC
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Sequence 982
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Table 2

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Sequence 983
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TCTGGTTTCTCTTAAGG
Sequence 984
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AAAAGA
Sequence 985
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GGGATACCCTGTCCCGCCTTTTCTCCCCTTTCGGGGGNAAGGCGTGGCCGCCTTTTCTTCA
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Sequence 986
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CAGGGAAGGCCAGAAAAGAAGAAGCATAGCTCCTATGATCCCCTGGAATCCCTCCACTGA
TAAAGGCAACTTCCAATGACTCCTCTTCCTTCCACGCATCCCACTCTTTCCCTTTCCTCC
ACCCAAACCCACAAAGGGAAAGA
Sequence 987
TATCAAGTTACCTATGAACCGATGTATTTCGTTCACTTAATACCATTCACTAAATTCAGT
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TTCAGCATTCTTTTTTGGGT
Sequence 988

Table 2

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ATCTTCATGCTTTTAAAAAGAATTTCCTGCCCAGGCGTGGTGGCTCACGCCTGTAATCCC
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Sequence 989
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TTTTNCCAANTTTCCGGGGGNGAAAAAAAACCCNTTGGTTNCCGGGGGCCCAANNCCTTNGC
CAATTTTTAAAATTGGG
Sequence 990
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CCCCAACTTTAAGGGGGTTNAATGGTTGGCCCTACTGGAGTTTTTTT
Sequence 991
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Sequence 992
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Table 2

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Sequence 993
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Sequence 994
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GCAAGGGAAAGAGGACACCGCCCGCATCAGCCCATCCAGCATTCGTTCAACTAAGCATAG
AGTGCCGGGGTCACAAGGACAAATGAGCCCCCCACCCCTGCTCTCATGGAGTTCCCAGTC
TATCAGGGACCAGCCATTAAGTAGTTCCTGTGGAGTAAGTCACTTAACAGGTGTTCTCGG
CTCAGGGCCCAGCCCTCAACCCCAGCCTAAGCCCAAGTACCT
Sequence 995
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GCTGGGACTACAGGCATGCCCCCACCACACCCGGCTAATTTTTGTATTTTTAGTAGAGAC
GGGGTTTCACCATGTTGGCCAGG
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GTCTAAAGGGTGGGGGGCACAGCGCAAGCAAAGTCTTGGCAACAAAAGAGCTAATGCATC
CCAGAAATGGGGCAGGTGGAGTACCT
Sequence 997
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Table 2

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Sequence 998
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.TCCTAAAGAAGAAATTATGCCAATTACAAGATACAGGTTAGGAAGAATGGACCAGAGGAA
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Sequence 999
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Sequence 1001
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Table 2

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TTGCCTCCTTCCCTTTNCTGGGGGGGNT
Sequence 1002
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CCAGGTCCATGTGCCGGCAGGGAAAGTCTCCCCGCGTACCTGCCCG
Sequence 1003
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TGTGAGCTACAGCCGACGTGATTATAAAATTCTGAGGTGGAATCCTGAGAGACAGGAGGG
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Sequence 1004
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GGNTNAACCTTGAACCCCCA
Sequence 1005
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Sequence 1006
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Sequence 1007
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CAATGGTGCCGACAAGGTCTTCCCTTCTTTGGACGAGGAGGTCCCCC
Sequence 1008
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Table 2

Sequence 1009
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ANTTTTTTTNNNNAGGGGGNNCCCCCCGGGNCNTAAANNAANNNNCCCCGGGNNNCCCCCN
AANNNNTTTNNTNCCCCTTNAAAAAAAAAAAA

Sequence 1010
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CCTCGCTTAGAGGTAGAGCAGGTGTGTGCCATGAGCTCAGGTGATGGCAGTGGAGCTTAC
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Sequence 1011
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Sequence 1013
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ACCAAGACACCCAGTGTCTGTGAGTCTTTGGTACCTGCCCG

Table 2

Sequence 1014
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Sequence 1015
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Table 2

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Sequence 1019
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Sequence 1020
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Sequence 1022
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C
Sequence 1023
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Table 2

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GTNCTTGTCCCC

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CTGGTACCT

Sequence 1025
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Sequence 1026
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GGGGGAAAACACAGCCCTGAGAGAGAATCAAGTGTCTATGTTGGCCCTGAGCAAAAGCGA
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Sequence 1027
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GGTCAGCGTCCTGGTGAGAAAACTATACTGCAGTGCCAAGAGGAATTGATGTAGGATTTT
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Sequence 1028
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Sequence 1029
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Table 2

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Sequence 1030

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Sequence 1031

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Sequence 1032

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TTTAT
Sequence 1033

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GAGAGCCTGATCACGGGCTCACCAGACCCAGTCCCACCCAGCTTTGCCCCCTCTAGCCAG
CCTTGGGAGCAGAGCATGGGATGGGACCACTGAGAGCTCCACACCCCCCACCCATCACCA
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CGCAGCAACTGTTGATATCATTGCACAGCACTCAGACAGCTCTTACCTGCAGGCATTACC
TGCTGGCCTGTAGGGGGAACTGCCCAACCCAATATNATTCCTGCTGACAAGGTCCTTNGG
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TTGGNNNNCCGCCCNCCNTTNAANGGGGGGGGCCC
Sequence 1034

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CTTTTTGTATTTTTAGTAGAGACGGGGTTCCACCATGCTAGCCAGGCTGGTCTTGAACTC
CTGACCTCAGGTGATCCGCCTGCCTTGGCCTCCAAAAATGCTGGAATTACAGGCATGTAA
TTCCAACCTTAGACACTCAGTTTAAACCCTCTTATCCTATCTTCACTGGAAGAGCAAAGT
AATCTCCTACCTTGTTTTGTCAATAAGAAGGGAATATTATTAAGCCCCAGTAATCCTGTT
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Sequence 1035

Table 2

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Sequence 1036
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Sequence 1037
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Sequence 1038
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Sequence 1039
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Sequence 1040
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```

Table 2

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Sequence 1041
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Sequence 1043
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CAGGGGGGGG
Sequence 1044
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Sequence 1045
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Table 2

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CTCTTGCAATCCCAGTCATGCTTCAGGGTAGGGATGATCCCATTAATCCAAGGACCTGTC
CCTAGTGATAGAAGGAAATGGGTGGGAGCCACGGGATCTGGGATTGCAGTGAGAAGTNGA
CAAGAAAACAAC
Sequence 1046
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Sequence 1047
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CTCTACTAAAAATACAAAAATTAGCCAGGCG
Sequence 1048
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Sequence 1050
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AAAAAAA
Sequence 1051
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Table 2

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Sequence 1052
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Sequence 1053
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Table 2

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Sequence 1056
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Sequence 1057
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GGGGGGGCCTTT
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Table 2

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Sequence 1059
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TTGGCCCCCTTTCTTTCCCCCNCCACCCCCTTTTTT
Sequence 1060
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Sequence 1061
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Sequence 1062
AGGTACGTGTTGGCTGCTTTCTTAAATTGTGGAAATTAAAGGAAGGGCTGAACTGTTACT
CAGATTTGAATAGAAATGAGGAAGAAGAAGAACAGTGAGATAAGGAGATAGTGACAGTGA
TACATGTTGACAATTCCATTGAAAAAGAACTTGGCCGGGTGTGGTCNTTCACGGNTGTAA
TCCCAGCACTTAGGACACGAAGGCCGAAGCATCGCTTGAGCCCAGGAATTTGAGACCAGC
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Table 2

TGGTGTTTGCCTGTAGTCCCAGCTACTGGAGAAGCCGAGGTGGGAGGATCACCTNAGCTC
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GTCAGACCCTGTCTCTAAAAAGAAAAAG
Sequence 1063
AGGTACACGAGATTAAATTACATAGTTATCCTAGCAAAGATGTTCTGCAACATGTTTCAT
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AGAAAACTGGAAGTGGTATCTAAATATAGATAGAAGNNTATATCATCCAGCACATTACAG
CTTTTTTCTTATTTATTATGTGAAAAGAAAATAAATATTACCACATGACTATTTTTTAGT
.TTTAAAAAGGAAAGATAAAATATTAATAACTCAAAAGTAAATACACTTCCTGTGATATAA
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AATATAAAAAGTATCCCTT
Sequence 1064
CCGCGGTGGCGGCCGCCCGGGCAGGTACCATTCATTACCTGTCTTCAGCAACTACCAGCA
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CTTCCAAAACATCCCAGACCTTATATCCTGTCACACATAAGTATTTCAGAATCTAAGGTA
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TTCCTACTCTTTGCCTCTTGGGAAGCTGGGCAAACTGACAAGCTCATAAAATCGTCATTT
CTCTGAAACCAGGAAGAAGCCCT
Sequence 1065
GGAGCTCCCCGCGGTGGCGGCCCGAGGTACGGTATATTAAAAACAATCACTGCAGCCCTT
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CTTGGGGGTTTGAAGGTTAACTGTTCTGGTTCCAACGTGGAAAGCCCGAATTCCCTATTT
GAAAGGATAATCAGGTTTTTCAGTTGGGGACAGCAGTTTTTGCAAAAGAAACAAATGAAA
AT
Sequence 1066
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CAACGGGNGAACTTACCATCGAAAAGGTTTGAATAGGGGCAANACGTTTCCGAAATGGGG
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CGCNTCAACTTGCCCCGCTTTTTCCAAAACCGGGGGNAAAACCTTGTCGGTGGCCCAGCT
TGCNATTAAATAGAAAATTCGGGCCCAAACCCCCCCGG
Sequence 1067
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Table 2

CCAGTTGGGGTTTAATTTCCTTGGCTGTATAGTGGACTTAGTGTCACATGCCTACCTCAG
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AGGTATAGAACTTCAGGTGTTTTGTCACCCTCCCTCCCCCAGTGGTGTGTGTAGGAAAAC
TTTGCTAATTTCTGNAAAANCCNGATGNCTAATCTTTTCTGACTTTACGTTCAATCAGGCT
GATTATTTTCATTCANCAGATGTNNATCGGTTTTG
Sequence 1068

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ACAGGCCAGCCGGNGGGGACNACAANCNAAAAAAACCNTGGACTGGGGACTTNTACACCAA
CAGAACTGGGGCAAAANNGNAGCCGCCGNTGATGGNTAATTCGGGGAAATNAGGCATCCN
GCCCTGATGATGCCTGCTGGTAAATCCCCCNATCCAAAAAACAAACCCGGGTNGTANACT
ATCGAAAANCCTAAAAGGGNAGAAATAATGGGAAAGCCCTGNCTGGTGGAGCCACACCCA
GGNGANNACCTCTAAANAAAACNTGGCNGGAATGNCTGCNGGCGGTCTAAAAAAATAAAC
ACNCGTAACANGGCTTAANAACAANAAGANCCCGTANGAAGNACCCCCNTCCCCGGNNAG
NANNACNCAAAGAAAAAANACAAANGGGCCCCTNGCCCCGGGGCCGGCCCGCCTTCNAAA
AAACCAAGGGGGGAACC
Sequence 1069

CGAGGTACCTGCCAGGAAAAATAGCAGCCCANCCACCAGGTGGCAACCTGCACTATTGAC
CAGACACTTGGCCAGTTTGATGTTGGGCACCGAGGACCTGAANGCAGTGTTGCACATTCC
AATCAGGCAGAGCAGCAGGGCACCCATGGCGATCAGCATGCTGAGGGGTAGGGCAAACTG
GAGGACACGCAGGTCCAGCTGGTCAACTGATGAGTACCTGCCCGGGCGGCCGCTNTAAGA
ANTANATGGATNCCCCNGGCTGNNNNGAATTCCGAATATCAAGCTTATNNANTACCGTCG
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GGTTTAATNTGGCCCCNCTTTGGCCGGCTAAATTCAATTGGTTCAATAGACCTTGTTTTT
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CAATTCCNAAAGCCC
Sequence 1070

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AGTTAACTAGAAGACTGGGACTAGTTAATTTCTCCAGTGCTCAGCTTCTTATCTACAGGT
ATCTGCTGAATCCTCCAAGGGGAACAGAATAAGGGGAAGATCCCTGGAGATCAGATTCTC
AGATCCAGTATCCCGTGTGCTGACCTGCCATGACAAACACTGGCAGGGAGCCTGCCATAG
AGGAAAAGAGTAAGAATTGGCTGAGTTCACAT ·
Sequence 1071

AGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGACCAGCCT
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GCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAACCCAGGA
GGTGGGGGTTGCAGTGAGCCGAGATCGCGCCACTTGCACTCCAGCATGGGCGACAGGAGC
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GAACCTTCTCTAAAAAAAAAGAAAAAAAAANGGAAAGCCTTGATGCCACCACCAAATCTT
AAATTTGGCCAAAGTTCGATTCAATTTAAAAGGGAATATTTTATTTTGCCATCACCAAAA
ATAAATTTCTTTTTACCTCCCCCCCCAAAAAAATTCAAATTAAAAAAAAAGGTTTTCAAAATT
ANGCCAAACTTTTTTTCCTTAAATTGNTGGTTTTTAAAAAAAATG
Sequence 1072

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AAGTTCGACTCAATGGCCATTTTCTCCTTTCTCTTAATTCTGCACACTCGTGTCCACTGT
GCGATGCAAGACCCTTCAGAACAGCCCACCCCTCTTACTGTCTAATGTTTCCAGTGGCAC
AGGGACAGATTCATTTGGGAATCCCTGGGCCCAGTGTCCCAGGAAGAAACCCACAGTTGA
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Table 2

ACACGGTGACCAGCGTGAAGAAACAGAGCCTGCCCCCTACAGACTATCATTTAGAGGGAG
TTTATTTCTAGTGTCCTTCAGACCCGCCCAGTACCTGCCCG
Sequence 1073
CCACCGCGGTGGCGGCCGNGGTACGCGGGAGGATAATGATGTTGGGAAGNGATTTCNTGT
ANCTATGCTGAGCAGACAGNCTTCAAGAGTTAGCAAAGTTTATATGTGCGGGTGACAAAA
AAGAGGCTTATGAGTTTTGATGACTGAAAGGAGACAAATAATAGCTAATCTTTGATAAAG
ACTAACTATGGGCAAGGCTTTACTCTTTGTTTGTAGTAACTTACTTAATCCTCATTAGNA
ACCCCCTTTATATANGATGCTGTATTTTCTCCAT
Sequence 1074
CCGGGCAGGTACCTGTGAACCCAACCTACAGGCTGGCCCCTGTAGACACAGAGAACAGGT
CCATCCCAGCACCTGGATGACCCTTGCAGATCAAAAGCCTTCCTTAGCACCATGTCAGCC
CCTATGGAAATAGGCTTCAGGCCAGCCCCTGTGGATACAGGCTGCAGGCTCATACTTGCA
AACCCAGGCTTCAGGCCCACCCCTGCAAACCTAAAAAACAGGTCTACCCCAGTGGGCACC
TGCAAAAGGCCAGCTTGCATGAGGACTCTAGCTGCAAGCACGCTCATGGACCACATTAGC
CAGCCTACTCAAAATCTCTGTGAAGGGCTTTCCCAAACAAGCCA
Sequence 1075
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GGTGGTGTATGTCCCTAAGGCCACCAGAGATGGTTTACTCAATTCACATGCTTCCTCCAC
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TTACAACCCAATC
Sequence 1076
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ANAAAAAAAAAA
Sequence 1077
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TGGACAGCACAATACACAATGGGGCACAAGAAAGCCACGCAGCCTCCCCCTCCTAGACAC
ATGCTGTGCACCCCCTTGGCTCTGCTTGGAAGGTTCAGCTCTGCAAATGGAAGGTTGCAA
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Table 2

CANCCTTGGCCCCCTGACTTTTTTCTGGGGTTGGGGGGAGGCCCTGTNATGGTTCANNAAA
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GGAAAAAAANGAAA
Sequence 1078
GCCGNCCGGGCAGGTACGCGGGGAGACTTTCCCTGCCGGCACATGGACCTGGCCCAACCC
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CCTNTCAATGGTGCCTGACAAGGNCTTCCCTTATNTGGACGAGGAGGTCCCCCCGGCCGC
TCTAGAACTAG
Sequence 1079
GTGGCGGCCGAGGTACGCATCTTTGAAGAAAGTAGCTGTGGATATGGGTGGAAGCATAAA
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AAAACAAACAAAAGCACATCTGCTTGCTCTTGTGTAGAGAGATTCCCTTTTTTGAATTTC
TTTTGTGGCNCTAGNTTTAAAAAAAATAAG
Sequence 1080
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GCCGGGCATGGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAAT
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Sequence 1081
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TTNGAAATCTTTTGGGGTTTCCCGAATGG
Sequence 1082
GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACGTTAGCATAATTTTGA
ATTATTTCAGCTAAGTAGATGTTAAAGACTTGACTCAAGAGTGGCTGAAAAAGAAAGGAT
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Table 2

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AGTAGATGGGACCACAGGTGCATGTCACCATGCCTGGCTAATTTT
Sequence 1083
CCGGGCAGGTACTTTTCACTCTCCTACATGTCTCAGTTTGAACAATAAATTATACAGTCA
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TAATCCCAGCACTTTGGGAGGCCAAGGCAGCAGGACTGCTTGAAGTCAGGAGTTTGAGAC
CAGCCTGGGCAACGTAGAAAGACCACATCTCTACAGAAAATTTTTTAAAAATTAGCCACA
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ACAGAGTAAAACCTG
Sequence 1084
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CCTTTNGNGAAAAAAAAG
Sequence 1085
AGTTCGGTGTAGGGTTCGTTCGCTCCCAAAGCTTGGGCCTGTGTTGCACNAAACCCCCCG
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AAAAAA
Sequence 1086
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Sequence 1087
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Table 2

CCAACACTTTGGGATGCCAAGGCAGGAATACCACTTAAGACCAGGAGTTTGAGACCAGCC
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ACCGTGTCTTGAAAAAAAAGGCAAAATTGTCTAGGGATGAACCGTGGAAGCTGAAGCCAC
TCTGTAGAAAACCATACATGTCCCTGGCCGGGTGCAGTGGCTCACGCCTGTAATCCCAGC
ACTTTGGGAGGCCGAGGGCGGGCGGATCACGAGGTCAGGGAGATTTGAGACCATTCCTTG
GCTTACACAGTGGAAACTCCCGTCTTTTCCTTAAAAATTAAAATGAAAAAAA
Sequence 1088

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TGCATAGTTGAGTGCTCCCCTGCTCTGGGAAGCCTGCACGGGGTCCCTGCACACATCCCA
GCATGGAGGGTCTCAGGGCTGGGTTTGAGACGAAGGTGGGCGAAAGGTTCACATGAACTG
AGGTCATGACAGAGTGATCAGGTGGGACCAGGCAGAACTCTCGGCCCCCAGGGCTTGCTG
GTACCTGCCCGGGC
Sequence 1089

NCCGGGCAGGTTCCCCACTGGGAGACGTCCTCAGCANGCAGCCNGAGAAGAGGCACAGNN
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CTCNAAGGGGGGGGGGCNCCGGNAACCCCANCCTTTTGGTTCCCTTTAANTGGAGGGTTTA
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AANTNGAAGCCTAAAACTTCCAACAATTTTNAATTTTGGCCNGGTGTGGCGGCCTTCAANT
TGGCNCCCGCTTTTTTTCCCAGNTCCGGGGGGGAA
Sequence 1090

CCGCGGTGGCGGCCGCCCGGGCAGGTACTCCCAAAACACCTTTTCCTGTTATTTCATGTA
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TTAGCTGGGTGTGGTGGCGTGCACCTGTAATCCCAGCTACCTGGGAGTCTGAGGCAGGAG
AATCACTTGAACCCAGGAGGCGGAGGTTGCAGTGAGCCATTGTACTCCAGCCTGGGCAGC
AAGAGTGCAACTCTGTCTCAAATAAATAAATAAATAAAGACAATTTAACCAACATG
ACTTACTAAAACATTGTGTTTTCTTCTTCCTTTTCTTAGGTTGATGCTATGAAACTGGGA
GTAAAGGAAA
Sequence 1091

GCTCCCCGCGGTGGCTGCCGAGGTACATTTTATCCCANTCTCACTCCAAGGAAGGAAGT
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GACGATTGTGTGCATCTGGGCAAAACATTAAAGAGGAAAGTTCTGCAAAAATTAGGTATG
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CCAGGCCAGCCCTGTCGCTTGGGGGCCTCCCAGGTGGAGGCAGCAAATAGTTCAAAGAGG
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GCCCACATTTTCTCCATCTCTGGGATGTGTTCCCCACCCAGACCTCCAGGTGAACGTGCT
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Sequence 1092

Table 2

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GCAATGAAGATTATAAAATAATTGCCTGAGGAACCAAGCTCATGTGCACTAAAAAGAAGC
AGGGATTCTTAGAAGATTCTTAGAAGTATAGAGTAGTGATTTTTTTGGGGATGGAGTCTT
GCTCTGTCGCCCAGGTTAGAGTGCAGTGGTGCGATATCCGCTCACTACAACCTCCGTCTC
CCCCTCTCAGGTTCAAGCGATTCTCCTGCCTCAGTCTCCCAAGTATCTGGGACTACAGCT
GCACACCACCACACCCAGCTATTTTTTGTA
Sequence 1093

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GATTAGCCANGAGCGGAGGTATGTTAAGGCCGGGTGCTTACAAGAAGTTTCTTGAAAGGT
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CTTGCGCTCTTGCTTGAAAAGCCCANGNTTACCCTTTTCGNGNAAAAAAAGAAGATNTGG
GTTAGGCCNTCTTTTTGAATNCCCGGGGCGAAAACNAAAAACCNAACCCGGNTTNGGGTTA
GCCGGGGGGGGGGTTTT
Sequence 1094

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Sequence 1095

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Sequence 1096

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Sequence 1097

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Table 2

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Sequence 1098
·AGGTACAATAGGGAGTACCCAGGTTCCCTACGATGCCCCCCAAATCAGACCCAGGGGCTG
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Sequence 1099
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Sequence 1100
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CAGTGGCAGGATCTCAGCTCATTGCAACCTCTGCCTCCCGGGCTCAAGCAA
Sequence 1101
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Sequence 1102
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Table 2

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Sequence 1103

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GGTAGAAGGGAATGAGATGGGCCAGGCGCAGTGGCTTACGCCTGTAATCCCAGCACTTTA
GGAGGCCGAGGCTGGCAGATCAGAAGGCCAGGAGTTCAAGACCAGCCTGGCCCGCATGGT
GAAACCCCGTCTCTACTAAAAAAAATACAAAAAATTAGCTGGGCACGGGGGGCATGCGCCT
GTAATCCCAGCTACT
Sequence 1104

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CAATGGTGCCGACAAGGTCTTCCCTTCTTTGGACGAGGAGGTCCCCC
Sequence 1105

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ATGCATACTGTATATAATGCAGTTCAGATATTTTAGGCTTGAAAATGGATTTATTCCTTC
CTATTTATGTATTTATTTTATAATAGGTAATAGTATAGAATGCAAAAGGCTTTTATTTAA
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CTTAATATTGTATTGAAACATTATTCTCCAACATTTTTGTTAATTTGCATTTTTA
Sequence 1106

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Sequence 1107

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Sequence 1108

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GCCAGTAGACGAGCTGGAGCTCTCGGTGCTCGAGCGGCAGCCAGAAGAGAACACGCCTCT
CAATGGTGCCGACAAGGTCTTCCCTTCTTTGGACGAGGAGGTCCCCC
Sequence 1109

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Sequence 1110

Table 2

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CAGAGGGCTGAGGTGGAAGAAAAGGACTCCTGTTTTAGGTAAGATATCAGAGAAGACCTC
TCTGATTGACTGAAATGTATGCAAAGGCCTGCATGAAGCCAGGGACCATGCCGTGCTGAC
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GACCATGTTTGGTATGTTCAGGGAGGAACAGGGAGGCCCGTGGGGCTGGAGCAGGTTCAG
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Sequence 1111

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GAAATAAAATAAAAC

Sequence 1112

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Sequence 1113

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Sequence 1114

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Sequence 1115

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GGTGGCTGTTCAGAAAGTCCCAGGCCCCTGAGAGAGGAGGGCTCTATTGTGAAGCCATTT
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Table 2

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Sequence 1116
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Sequence 1117
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Sequence 1121

Table 2

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Table 2

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Sequence 1128
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Sequence 1130
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Sequence 1131
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ACCTGCCCG
Sequence 1132
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Sequence 1133
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Table 2

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Sequence 1134

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TTGTGACTGAGTCTCACTCTGTTGCCCAGGCTAGAGTGCAGTGTTGTAATCTCGGCTCAC
TGCAACCTCCACCTCCCGGGTTCAAGCGATTCTCCTTCCTCAGCCTCCTGCCACCACACC
TGGCTAATTTTTGTATTTTTAGTAAAGACAGGGTTTCACCATGTTGACCAGGCTAGTCTC
GAACTCCTGCCCTCAGGTGATCTGCCCGTCTCGGCCTCCCAAAATGCTTGGATTACGGGC
GTGAGCCTCCACGCCCAGCCGCTTGTATTTTTTAAAATAAAGATTGCAGGTTTAGTTTTA
ATTTGGATAATTTCTTCAATCTGTTTTTTCTTGGTTCCTTTTTTTCCCAAATGTTTAATAC
TGCTTACTACATGTGGNAGTTTTTACCATGTAAAATATTGCCGTTTCTAGTTTTAAATTT
TTATGACTGTACCT

Sequence 1135

AGGTACGCGGGAGGGAAGAGTGGCCTTATGGCTACTCAAGCCACGTGTTTACCTAAAATG
TGCTCCTAGTCGCATAGCTTCTCAGAATAGTCAAAGAAGAAAGGAAAAGAAAGCTGGATG
TCCCGGGTTTATTTTTTCTGCATCTTTGCAAATATGAGACACAACTCTGTTCCAGGAGCT
TTCGATGCGCTTCTACAGGTATTTCTTTTTTTCTTTGTGTCAAGGATAAATGTGAAGATAG
CTGTGGAATTGTCCGAACATTTTTGCCTTGAAATTAAGCAATGTTTTATGCCTAATTTCC
CAAAGGACAAGTTATTTATGCCAGTATTAAAAGCAGCAACTTATATATTCTACGCAAAAC
AGAAAACCAGAAAGATCTAAATTTTGACAAGTCCCTAGTTTGATGAATTGAAAGACAGGA
AGATGACTACATCACAGCAGATAAAAGAGATATTTTCATAAACTAAGCTCTGGGAAACAG
AATACCAAAATTACCCATGTACAACCAACTACTGCTCATGGGTTCCCCANAAGACTTGTG
TGCGGATTATACGAGTCATTGCCCAGTTGTGATAGTCTCAATTTTGAA

Sequence 1136

AGGTACGCGGGGAGTATGAGTAGAAAATGTGACACAGAGATAGGAATTAGTCACATAATG
TTGGAAAAAGAAGAAACAGTAACCAGGAACGGGAAGGAGTAAACAGAGCTTTTAGTTAAA
ACAGGATCACTGCCAGACACGATGGCTCATACCTGTAATCCCAGCACCTTGGGAGACCGA
GGTAGGTGGATCACGAGGTCAGGAGTTCAAGACCAGTCTGGCCAACACAGTGAAACCCCA
TCTCTACTAAAAATACAAAAATTAGCTGGGCGTGGTGGTGCGTGCCTGTAGTCCCAGCTA
CTCCGGAGGCTGAGGCAGGAGAATTGCTTGAACCCGGGAGGCGGAGGTTGCAGTGAACCG
AGATCGCGCCATTGCACTTCAGCCTGGGTGACAAAGCGAGACTCCATCTCANANAAAAAA
AAAAAAN

Sequence 1137

GTGATTGCTTTCCAAGGCCACCGAGGGTATCTGAGACTCCCAGGCCCTGGTTGGTCCTGC
CTCTTCTCCTTCATAGTGTCCCAGTGTTGTCAGGAGGGCGCTGGTGGTAGCTTGGACCTT
GTGTGCCAACGCTTCCTCAGGTCTGGGCCTAACAGCCTCCACTGCCTGGGCTCACTCAGG
GAGCGCCTCATTATTTGGGCAGCCATGGATTCTATCCCAGCCCCATCATCAGTTCAGGGA
CACAACCTGACTGAAGATGCCAGACATCCTGAGAGTTGGCAGAACACAGG

Sequence 1138

CGGCCGCCCGGGCAGGTACATGGGAAAAGAGGACAAAGTGGTGAGTTAAATCAGCTAGTC
TGTAGCAAGGCATGTTTCCCCAGGGACTCAGGTCCCCGCTTCAAGAGAACCTGTTCTGGA
GACCCCTTCCTTGACTGTGTCTGCTGTGCTGGGCTGGGACTTAGTGGACAGAGACAGCAG
CCTGTAAGCCCCTTTTCCCAAGTAAGGAGCAAGGGCACATTGACATANAAGCAAGCTGAC
ATTTCCCAAGGGACGTAGGAAGTGCCTGCACTTCATGTTTTCAGATGAGTCTGCAAAGGA
AAACAGCAGTGGTACCT

Sequence 1139

AGGTACCATGCAATTACAGAGCAACTTCAGCTAATGGGGACTCCAGCATCTTGGCATCCT
CGCTGGGTGGAGCAGAAGCGAGCATGGAGCTTCCACTCATAAACCCTTTGGCTTGCTAGC
CACAACTGATCACCTAGTTTTTACGTAAGTGCAAGGGGTGGCTGGAAGTAGAGGTTCCAAG

Table 2

AAGGTGCAGAAAGCTGTCTATTAGTGAGCATTAATAATGTATGTTAGTGTTTAACAAGAA
GTTGCTGGTAAAGCGTTTTGTGCAGTGGCTATCACATGGAAAATTTTCCAATAAAAGAAA
TATACTATTACAGTTATAAATAATGTCCATTAGAATAAGCATTACATAACTCCTTCAAAT
CAAAAGACATATATTTGAATATGTGATAGCCAATCAAATATTATCTAAAATTAGGAAGGN
GGGTCCATAGGAACTGAATATATATTTTTAAAAATGGAAATTGAAGGAG
Sequence 1140
AATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACTTTGTGGGTTGAGGGTAGGA
GGCTAAGACTGCCAGGGAGGAGGCCCCGGCTTCCTGCTCCTACCGGGGAGCAGCAGGTGA
AACTCTGACCACGTTACTGCAATCCTGACATGCTCCAGTGGAGTGGCGACATTTTTCTTC
TCGAGGCAGCTTTTGGGGATCTGTATTACTTTCATGTGGACCACTTGCTAGTTTTGATTT
CAATGATAATTTCTTCCTTCCTTTTTTTTTTTNAANCCTGTNTTNNTAGNGATAACAACNC
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AAAGCAGGGACNTCCTGTGCNAACTGTCAAACCACCACAACCACACTNTGGAGNAGGAAT
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CCACCCTTTCAAGTGAATCCNCACCATGGGGCAAATNACAGGTCCNAATAATTGATGCC
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AAACTGGNANCCAAAAAACCCCTTGGTTTCCTTTGGAACTTCCCAATACCATGCCCNAAA
ATTCCAATTTTCTTAATNGGGNCCTTTTGGGTTTNTTTGGGGAAA
Sequence 1141
AGGTACGCGGGATTCAGTAACAGAAATCTCCCTTCCCTTCTTTCTCTGATGTGCAGTAGT
TCTGCCTGTTANAATCATCTGGAGAGCTTGTTAAAAATACCAATGTCAGGAGCTCGACCC
TAGAGATTCAAATTTAACTGATCTGGTGTGGGACCTGGAAATCCTCTATTTTTTAAAAGT
TCCCCAGTTGAGGCCAGGTGCGGTGGCTCACGCCTGAGTCCCGGCACTTTGGGAGGCCGA
GGCGTGTGGATCACTTGAGGTCGGGAGTTCGAGACCAGCCTGGCCGGCGTGGTGAAACTC
CATCTCTACTAAAAATACAAAAAAAATTAGCCGGGTGTGGTGGTGCACACCTGTAGTCCT
AGCTACTCAAAAGCTGAGGCATGAAAATCCTTTGAACCTGGGANGCGGACATCCANTGAG
CTGAAATCATGCCACTTGCACTTCCACCTGGACAACANANTGAGAATTCATTTTCCAAAA
AAAAAAAAAA
Sequence 1142
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TCTGGAGGGAGCCAGGCCCACTGGCTGCCTCTCGTCCCACTCCAGGCCCTCCTACAAAGG
TGCACTCAGCAAACCCTCCAAGTACCTGCCCG
Sequence 1143
CATAAATAAGGGTATCACAGGGTAGAAGTAGGATAGAACATAGGCCTAAAACCCCTATAA
GCCCATTGTCTGAGCTGACCTCCACAGACTGGTGAGTTTTATGGTTCTCATCANACCCGC
ATNTATTTAAGACAAACTGGGCTGNGGGTCCCTGAAATGAAAACCGGATGAGGGTCTCCT
TTCGTCTTGCTTTATGCCCTTCAGAGTTTGACTTGTAACCAAAGAGGGAGCATTCTCCCT
TGGTCTNTGCCTCTGGGGGTGTGATTTTCAGGTCACGTTCCAGTAGCTAGTCTAAAAAGC
ANTGGGAATCCTGAACCATNGTCAAAATTTTAAAGCNGCACTNNTNTTTTTTTTCCCCAA
AATGTGCCCAAAGCNTGTCAAGGGGGAGTTCTTGTCCCTAAAAAAGGGAGTTTNTTATTC
CNTTGAAAGGGGCTTCTTGGNTNGCCTTCCATTTTTTTTTGTTNGGCCTGGGNTTANNGCCT
GGGNNAAAGNTCTAAAANNCCCNTTGAAAANGGCCCTGCCCCTTGNNGGTNNNCAAAGGC
GNTTCANCAAGGGGTTNGGCCAGGGTNTTTTGANCTNAAAAAGGCCCCCCCCCCANTNNTGG
NNCNNCNTGNTNCCNTGNTGCCTCCANTNNGGGGANNACCAAGTTNACNCCCNTTCTTTT
AAACCCNGCTTGNTGGGNNAACANGGNNNATCTTGNTATTTTTTAAACTTTATTTNTTTN
GGGGNGAGAAAAATTTTGGGGGGGGGGNNTCNTTAAAAGGGTTNNNNTTTTTTCCCCNCCC
TTTTATAAAAAAAAGNATNCCNAANTTTTTGGTNTTGTTGTTGTTTTTAAAATNANANCN
NCCCCCCCCCCCCC

Table 2

Sequence 1144
TNCNGGCAGGTTNTCGGGGAGACTTTCCCTGCCGGCACATGGGCCTGGTCCAACCCTCAC
AGCCAGTAGACGAGCTGGAGCTCTCGGTGCTNGAGCGGCAGCCAGAAGAGAACACGCCTC
TCAATGGTGCCGACAAGGTCTTCCCTTCTTTGGACGANGAGGTCCCCC

Sequence 1145
GGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACACAGTGGGCGCTGGGG
ACCAGGGCCAGAGAGTGGCCACCTGTTAGAGCTGCATGTGTGTCTTGGGCCTGGTCTTCT
TTCTCTGCTCACTAATGACAGCTGTCCCAGCCTCTTGCAGGCTCTGGCCCACCACCTTGC
TTGCTGTGATTTTTTTTTTTTTTTCCTCACACATGATAAGCTGACGCAGGAGAATCCGCTTG
AACCCGGGAGGCGGAGGTTGCAGTGAGCCAAGATTACGCCACTGCATTCCAGCCTGGGCG
ACAGAGCAAGACTCCGTCTNAAAAAAAAAAAAAANANNAAAAAAAAAAGGTGACAAGCAGAGC
AAGCGCATCTAGGTGACACCCGGGANATGGAATCGGGACGGCAGGATGAGCATGGGTTTG
TGGCGAAGAAAACCCGGGGCAATAATGGACATACAATGCAAANTTTGCCANAGTCAGCAA
AAAGCCTATNNGGTAGAAAATTGCCAAAGAACANAAAAAAGAGGGGAAGGGTNAACNCCT
AGTGNAGGCTACTTTGCTNNTGACAAGNCANGGCCGGGCNATTAAGGGNGTGGTTTNCAC
TTGGGANGTGAAAGGAAAGGGNGGGAAACCCTGGAGGGGGGAANAATGCTTGGGGANCCC
TTTTCAAAATCCCCCNCTTTTTCCCTTGGAAACNCAAAAANTAAAAA

Sequence 1146
AGGTACCAGTAGGAAATTGGGGAAGAGCCAGGAAGGGACAGCAGCCAGTAAAGTGGGCAT
TATCAAATCAGTTAAGCATTGTGGGCACCTGGAGCTTANTCACACTGGGGGACTCTTATA
CAGCATGGAATGCTTGTCTTGTGGTTGACCCATCCTAGAGGCAAGGGAGTAGGTATTTAT
TCACCAAAATCTGTCAGGCATTTGTTGGGGACTGCCTTCAGAGGCAAATGATTCCCTGTC
ATTTCAGGACTATCACTTGGGCAGCCAAGAGTAATCCTCCAGGCAAAGGAATGCAGGTGT
TGGCAGTCAAAAGACAAGGTGGTGGGCGCTGAAGTGGTGCCATGGGAGTATAGTCGAGGC
ACCAAGCAGCATCTACCAGCAGGGCAGCCTGTAACCCCGACTTTNCACCTGAGGATTTGT
TGGCCCTNATTTTNGGANTTTTTGCATTNGTTTCTCATGGAGGGGGCAAACTNNGTTTAA
GCTTGGGAACCACTTNANCTTGACCCCACACCAAGCATTTT

Sequence 1147
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CCAGGCTGGTCTTAAACTCCTGACCTCAGGTGATCCACCCGCCTCGGCCTCCCAAGGTGC
TGGGATTACAGGCATGAGCCACTGTGCCCGGCTTATTTCCTCTTTTAAAACTTACTATTA
TTATTGTCATTCTCAAACTATTATCTCATAAACGTTATATTGTCTATATCAGATATTCAG
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TTCAAAATGTTGCTTTGTCTATTTTTCTGAAAAGTTTGACAACCATCTGTAGAGCTTTTG
CAGAAGACTTTTTTTTCTTCCCTCACTTTTAGTCTCTTTAAAATCAATGACTATTTTTATT
CTGCTTGGTCANGCAAGTANGCCCTTTGATTTTACAACAGCCTNTATTCCCATGGAAACA
CACACAAACACACATACATATAATTTCATTTTTTGCCTTTAAAAATTTCTTTTTT

Sequence 1148
ACGGTAATACATACACCAAGAACAGAGACAGTTACAAAAACAAGTAAGTGTTGATATAGG
CGGACCCACAAACAAGAATGTAAACATAATCAGATAGAAATTATCTGCTAAAATACATTT
GTCTATGCCAATAGGCATTTTACTTAACAATAGGTTATCAAAGAGTCAATCTTTGAGAAC
ATATTTCATATTTTCTCTTCATTATCTAAGAAATGTGAGCTATTGAAACACAATATATCT
TAGGCAACTTTTTTTTTTTCTTTCCAGAAAATCTGGCTCTGAACTGAATACATGTAGTGCT
TTGGTTTATAAAGATTATAGAACGTATTTTTTTTTTTCTTACAAGGGTTGCCCAGACTTAT
TTGGGATGGTGAGGTTCTACCATATAGGAACGAGGCAGTAGTAGCATACATACTGAAGCA
ACTGCTGTGCTTACAGACTAGTAAGCACAATGGGAAA

Sequence 1149
CCGGGCAGGTACGCGGAGGGAAGGCAGCTCTTCAAAGGAAAGGATGCTTGGAGACAGAAC
ACTGGACTTCTTTCTTGCGAGCCTTCCCCAACCTCCCCAGGAGTCAAGCGCTTCCTCCTG

Table 2

GGTGCTTCCGGAAGTCGTCATTAATACCTCTCTTCCAGCATGAGTTATGGCACCACTGTG
GTTTTTCTGATGATGTGCCTTCTCATCCATCCAATTCAAGTTCCCAGCAGGCAGTGATTT
TGTCTGTCTGCCCTCCATATCCACCCTCCACCCTTTCCCCACTGCTCTCCCATGTGGATG
GCACCCTGGTGTCCTGTGCCCTCTGGCTTCTGGGGGCATTTGGCCAATGCGGCTCACCAT
CAGCAGGAGATGAGAGCTGAGCTCTTGGTCTCTCTGGCAGCTTCCCTACAGGGTTCCTGT
GAGCTGGTGGCCTCCTGACTAAAGGCGACAAGCCTCTTTGTCAAGAAGTCCCCCACATAA
CTTCAAGTTCTGGAAGCAGCTTCCTTTCCT
Sequence 1150
CCGCGGTGGCGGCCGAGGTACCAGCAAGTTCCTTTCAAAGGTCTGTGGACCTTCACAGAG
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CAGCCTCACAGACTTTAGAAATCAGAAGGCCCAGACAGATTCTAATTGTAAATGAGGCTG
TAGGTTTGTTTTTTGGATTTTTTGTTTTCTACTTTTAGTAACATCCAGAATGAGTTACTGCC
CTTCCAAGGAAGGCCATCCATTCCCCAAGCAATTCAGTGTTTGAATTGTGATGCTGCATG
CCCCAGTCTCATTACAAACAAACAGAGCAGTGCTGCGGCAACCTGGCAACGTCCTTAAAT
GACCCCCTCCACACTCTGCCAGGCCCTGGGTGTCTCCACCAGCATACAGGCTG
Sequence 1151
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GCCAGTAGACGAGCTGGAGCTCTCGGTGCTCGAGCGGCAGCCAGAAGAGAACACGCCTCT
CAATGGTGCCGACAAGGTCTTCCCTTCTTTGGACGAGGAGGTCCCCC
Sequence 1152
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AGTGTAAGAGTGGAATGAGCATGTGGCCCTGNGGGCCTAGTCCCAGTTTGTTAATCTTGT
GAGCAGAGCTGCTGGCGGCTGCTCTCAGTCCGCTAATCGGGCTCTTTCTCTGTCACGTGG
ACAGGAGACTGCTCACAGGGTTGCAGTTGGCTGCTGCCCTGCGTTGACAGCTGGTTCTAA
TTGTGCAGAGCTACCGTAGTACCT
Sequence 1153
AGGTACCATTCATTACCTGTCTTCAGCAACTACCAGCAAATGGCCAATTTGATGTCATTT
TTGTGTCAACCTACTACCTTCTAAGCCAATTGGATTATCTTCCAAAACATCCCAGACCTT
ATATCCTGTCACACATAAGTATTTCAGAATCTAAGGTAGTCTTATCTAAGGTAGTCTTTT
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GGTATATTTAGTATTCCTCTTATCTGCAAGCTAAGGGAGACAAAAAATAACAAAACTTCT
TAATCTGCTTNCTTTCCTTTTTCTCCTTGGGTTGGACTTCCTACTCTCTGCCTCTGGAAG

Sequence 1154
CCGGGCAGGTACTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
CAGCCTGGCTAACATGGTGAAACCCTGTCTCTACTAAAAATACAAAAATTAGCCGGGCAT
GGTGGCTCACGCCTGTAGTCCCAACTGCTTGGGAGGTTGAGGCAAGAGAATCGCTTGAAC
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GCTNTAGAACCTAGTGGGGATCCCCNCGGGGCTTGCAGGGAAATTCCGATATCAAGGCCT
TATCCNATACCCGTCGGACCTTNGGAGGGGGGGGGGCCCCGGNACCC
Sequence 1155
CACCGCGGNGGCGGCTCGAGGTACAGCATNCTGTTAAGTNACCTCTAAAGCCCTGNCAGT
NAACTCTGTCAGAAAATAAAACAGAATGTCATTATTAGGAAAACAAGAAAGCCCAAACTC
TCTAGTTTTTTTTGTCTTAATAAACTGAAATTTTATGTGTGGTTTCTGCTGAAATGTTAAT

Table 2

TTCCAAGCATAGTTTTAATGAATATGCTTTACAGAAAAAAAAATCATGTTTGTATTTCAC
AATAAAAAATTCTGAAAATGGATTNTCTTCACATTANTCTCGAATGTGCAAAAAATACCT
TGGAGAATTCTTTTAAAAAAAAATCTTGGTTATTTTTAAATTTTNTTNTTATAAGGCCCG
AAAGNAAGGAAATTNAAATTTTCTATTTTCACCNAAAAACAANAAAAAAACAGGNTCCNTT
TGNTTTATTATCTGGGAAAAAAAAACCATTTTTTAAAAANTGNTCCCCCTCCTGGATCCA
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TCTTTC
Sequence 1156
.CCGGGCAGGTACGCGGGGAGACTTTCCCTGCCGGCACATGGACCTGGCCCAACCCTCACA
GCCAGTAGACGAGCTGGAGCTCTCGGTGCTCGAGCGGCAGCCAGAAGAGAACACGCCTCT
CAATGGTGCCGACAAGGTCTTCCCTTCTTTGGACGAGGAGGTCCCCC
Sequence 1157
ACTTAGCACTGGTTTTCAAGCTGAAAAGTAAGTATAAGTCAGCAATAAATAGTTGCCATT
TATGAATACACAGGACAAAGAAAATTGAGCACCTAGTGGCTGATGTTTGCAAAATATTAA
ATAACTTAAGTTCATTGAATACAATTAGAGTCAAATTAATGAAGCTTAGAGATCTAGTGT
TATTTAAACTACTAGTAGTGGGCCAAGTGTTGCCATTAACATTTTTTTTAATGATGAAATA
GAATAGTAAAAATATGTTTATTTTACCTAATAGGTTCATTCTAGCTTTAAAAAAAGTGTT
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CAAACCCAGG
Sequence 1158
CCCGTTGTGGCGGCCGNTNTACTTTANNTAAAGACGGATTTCGCCATGTTGGCCAGGCTG
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AGGCATGAGCCACCATGTCCCGCCTGGTTTGTTTTTTAAAAAAATCTCTGGCCTTGGAGTC
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CAAAATACACAAAAGCTTCATGAAACAACACTTTTTTTTAAAGCTAGAATGAACCTATTAG
GTAAAATAAACATATTTTTTACTATTCTATTTCATCATTAAAAAAAATGTTAATGGCAACAC
TTTGGC
Sequence 1159
AGCCACGCTGAAAACTCACGAGCAAGAAGGAAGTGCTTATTTCTATCTGCCTTATTTTTG
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AATAGGGAATTTAATAAATTGCAACACATCACATAGTATTAAACCGTCATTATTATTAAT
GACAATGATCTATATTTATATATACATGGGATATGTCTAAAACATTAACAAAAAAAGTGG
CGGGGCATGGTGGCACATGCCTGTAATCCCAGCACTTTGGGAGGCCAAGGTGAGTAAGAT
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TGGGAAGCCTTG
.Sequence 1160
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AGGAGTGACTCTATAATACAGGAGAAAGTAAGCAATGGCTTTTCTGTGGTCCATTTTCTC
ACTGGGGAATCATACAATCTAGATCTTGGGAGAGCATTTTGACCCTCTCAATCCCTGAAT
CTAGCATAGGGAGCAGTCAGGGGACTGAGACAAGGAACTGCTCAAGGGAGGGAAAATGCT
TTTAGTTCCACACCCTTCCTGAAGCCTAAGCAGCTATAGCAAGATGCCATTGTTAATCCT
A

Table 2

Sequence 1161
CCGGGCAGGTACCTCTGCTGCATCAACAGGGTGCAGTGGAAGCTAAGCCTCCACTCCCAC
TTAATATCAATGAGGTGGAATGAGGTGCTCTGAAGACATACTGGTGACACTCAGCTTCTT
CTTTTCCACTGTCATGGTGTCACTGGGGCCCAGAAGGGAGCTGAACTTCTATCACCATCG
TGCAGTAACAAAGTTGTGGGACTCAGCCCTCCTCCTCCTTCTCCCAGGTGGCAGTGAAGA
CCATCGGGAAAGTGACCTTCTACCTCAACTCAAGACAATCAAGACAATGAAAGCAAGTTG
GTGCCCTGCTTTTGCTAGGAAGGGTCAGCAGCACCAAGTGGGGAGCTGAATGTTCACCCC
ACTGATTTGCAATGAGGCACTATGAGTAAAGTGACCCATTTTTTATTGGTGTTTTATTGG
TGGTGCCCAACAGAAAGTTAAACATACACACCGATCTTAGCCTTCATAAAAACTGACACT
TCAAAAGATACCACACTCAAGAGAAAATCATTATGTTCNGGGATTTANTTTGACAATTGG
ATGTTTAAAGGCCAGTCATTGAAAAATGCTTTNAAACAAAGTAATTTACNAAANTTCTTT
TTTGGNTATAGGATNAAAAAAAAGGGAAA

Sequence 1162
ATCAGGGGATAACGCANGGGAAAGNAACATGTGAGCNAAAGGCCAGTCAAAAGGCCAGGA
ACCGTTAAAAAGGCCGCGTTTGCTTGGCCGTTTTTTTTCCATTAGGCTTCCCGCCCCCCCT
GACGAGGCATCCACAANANAAATCGGACGCTCAAAGTCATGAGGTTGGCTGAAAACCCGG
ACAGGGAACTTATTANAAGATTACCANGGGCCGTTTCCCCCTGGGAAAGCCTTCCCTTNG
TTGCCGCCTCTTCCCTGTTTCNCGAACCCTTGCCCGCTTTACCCGGNAATAACCCTGGTT
CCCGGCCCTTTTTCTTCCCCTTTTTCNGGGAAAAGCNGGTGGGGCCGCCT

Sequence 1163
AGGTACACATCTAATGACATCTTACTTAATACAGGGTTTTTTTCTTTTTGAGAGGGTCTT
GCTCTGTTGCCCTGGCTGCAGTGCAATCATGGCTCACTGCAGCCTCAACCTCCTGGGCTT
AAGCGATCCTCCCACCTNAGCCTCCTCAGTAGCATGGGACCACAGGTGTGCAGCACCACA
CCCAGCTAATTTTTCTATTTTTTGTAGAGATGAGGTTTTGCTATGTTGCCCACACTGGTA
ATTTTGGTTCTTTTATGGCAATTATTCCTTCCTTTACCTCCCTGAGGATCTTAAACATAC
ACTTTAAAATTGTTCTATTATTTACACCTATAGACTAAGGATTCACTTGAGTATCAATTA
TTCCCACTCCTGCAAAAAAGAAAACATACTATAAATACTGTTTCATGATTCCCATTTTTT
CCCACTAAGCAACAAAACTTANGAGATATTTCTGTATCANAACCTGCCCG

Sequence 1164
CCGGGCAGGTACAGAGGACAAGCCCCACTTTATTCGGAGTTAACCTATGGTGCAGTGGCC
TTAGAAAAACTTAAGAGTAAAAAGCTACCATAAAAAATGCTGGTTATATGTATGACCAGA
CGGTCAACTCCTCCTTCTTCTCTCTCTTTGCTATAACAGCACCTGTTGGCTTCTAAGTGC
ACAGAGTTCTCACAACAATGTGCCAAAACCGCCACCCTTCCCATCCTGGCACCCACCTNC
CCCCACCCCAGGAGACCTGCATATCAGATATTACTTCCTGCTGTCTATGACCACACCACC
TTGGCAGTTAACATCAAAAGCAAACACATGGGGAGAACAGAAGGCACTGGAGCAGCGGGG
GAAGAACAAGCATAGGTAATGTTTCATAAACATTTTTCTGGTGCCCAGGTGCAAAAACCT
TGGAACTTCACATGTATTTCAGCTGATCATCTAAGGACCCACCTTCTTTCTTCCAAGATA
AGTGAGCTGAANGCCCTTCCCTGCCTCCACTCCCAGTGCTTCTGTACCTCGGGCCG

Sequence 1165
GGGGGACCTCCTCGTCCAAAGAAGGGAAGACCTTGTCGGCACCATTGAGAGGCGTGTTCT
CTTCTGGCTGCCGCTCGAGCACCGAGAGCTCCAGCTCGTCTACTGGCTGTGAGGGTTGGG
CCAGGTCCATGTGCCGGCAGGGAAAGTCTCCCCGCGT

Sequence 1166
ACTTTTGGNAAATTGCNGCTCCCCGCGGTGGTTGCCGCCCGGGCTNGTNCAAATTTTTTC
TGGACAATCTGTGCTGTGATTTTGGAAATTGTGTGTGAAAGAGGAGAGTAGCTGGGCCGT
GGTGGCTCGCGCCTGTAATCCCAGCACTTTGGGAGGCCGAGGAGGGTGGATCATGAGGTC
AGTTCAAGACCAGCCTGGCCAAGATGGTGAAACCCTGTCTCTACTAAAAATAAAAAAAAT
AGCCAGGCATGGTGGTGGGTGCCTGTAATCCCAGCTACTCNGGAGGCTAAGGCAGAGAAT
TGCTTGAACCCGGGAGGCAGAGGTTGGAGTGAGTTGAGATCACGCCACTGCACTTCAGCC

Table 2

TGGGCAACANAGTGAGACTCTGTCTCAAAAATAAAAACAAACAAACAAAAAAGAAGAGAG
TGAAAGAATTTGAGTCCTTGCACAAGACAATAACTGTTTTTTATGTTTAAACTTTTTAGT
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TCATCTTTTATTGCCTTGCCANTTTATTAAATTAAGCCAAAAANTTTTCCCTTGGANTAT
GGTCNAAAAGGGCCCACCAAAAAANTTAAATTTTTTTTAGGCTTTAAAGGTACCCNTCNGG
GCCCGNTTCTAANAACTAGTGGGATCCCCCCCGGGCCTTNNNANNGNAANTTTCGATTAT
CAAAGCCTTTTTCTGANTACCCGTCTNACCCTTCNAAGGGGGGGGGGGCC
Sequence 1167
GGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACAAAATTTGGGGGCCC
CACCTCACATCAGGCAAGGGCAGCTCATTTAAACTCTATTTTTATCTCTCCTACACAATA
TACCAAGCTGTCTACAAGGATTGAGTGAATCCAGATTTCAAGGTAAAAAGAAAGACTAAC
TGCCACATTAAGCCAAATCTAGAAGCATGAAAAAGATCTACCCCTACAGTAATTAATCTG
AATCTTGGGCCTTCAAACCTCCAAAATTTAGGCCCAATATACTAGAACTTTAGGCGTTCC
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CTTGAATCAGGCATGGCTCTCTCGGTAAATAATTAAGAACAGGCTCAGCCAGGCGCAGTG
GCTCATGCCTGTAATCCCAGCACTTTGGGAGACCGAGGCGGGCGGATCATGAAGTCAGAA
GATCGAGACCATCCTGGCCAACATGGTGAAACCCCATTTCTACTAAAAATACCAAAATTA
GCTGGGTGTGGTGGCGTGTGCCTGTAATCCCAGCTACTTCGGGACGCTGANGCACCGAGA
ATCACTTGAACCCAGGAGGTGGAGTTTTGCAGTGAGCCCGAGATTGCGCCACTGGCACTC
CAACCTGGGTGACAGAAGAANGACTTCCATTTNAAAAAAGNAAAAGAACAGGGCTCAACT
TANTTCAATTCCAGGAATTTTTCCCAAAAAAAAAAAAAAAAAAAAA
Sequence 1168
AGGTACCAGCAAGCCCTGGGGGCCGAGAGTTCTGCCTGGTCCCACCTGATCACTCTGTCA
TGACCTCAGTTCATGTGAACCTTTCGCCCACCTTCGTCTCAAACCCAGCCCTGAGACCCT
CCATGCTGGGATGCGTGCAGGGACCCCGTGCAGGCTTCCCAGAGCAGGGGAGCACTCAAC
TATGCAGAACATGTCAACTCCACAGATGCACAGCAGGTCATGACTGAAATGACTTCCCAA
GGGAACTGTCCTTGTCATCCTTTTTAAAAACATTAAATGTCAGAAAGACGATATGAGAGC
TCAGACTGCGCCCACGTGGGGAACTGAGAGAGAGAGGCCCAGTACCTGCCCG
Sequence 1169
CCGGGCAGGTACTGGCATTCTAAATGCAAGGATAAGCTTAAAGAGATTATTTGAATCTAA
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CCCTGAGGATCAAGGATTCAATTGCCATGCTGAACGGGCACCCCTGATTCCTACAAGTTC
AACTCTTTATGAGACTTCTCCCATTTACCTTCTCTGGACCTCGCTTAGCACTACCCTATG
TGAGGGAATCATGGGGACAGAAGGAAGCCTCCTCGCCCTGCCACTTCCCAGCAGCCCTGC
CCTGAAGGCACTCTCCCCACACTTTGGTTCTTTAAGGGAGCCCCACATNATGCAAAGCGC
TGAACCACAAGCTCGCTCGTTACCTTGGCATCACCAGCACTGACCAAGAAAAGC
Sequence 1170
GGGGGACCTCCTCGTCCAAAGAAGGGAAGACCTTGTCGGCACCATTGAGAGGCGTGTTCT
CTTCTGGCTGCCGCTCGAGCACCGAGAGCTCCAGCTCGTCTACTGGCTGTGAGGGTTGGG
CCAGGTCCATGTGCCGGCAGGGAAAGTCTCCCCGCGTACCTGCCCG
Sequence 1171
GGTGTGGTGGCTTATGGAGTCCCTAACGTTTGCACAAAATGGTTGCTACATTCCACACTC
CCATGTGCCCTGAGCAACCTCCAGGGAAACTTCAGATACCGTGGGGCTTGGCCTGCCAGC
TGAGCTGACCCAGCGATCCTTTCTACCACAGCTTTGATCTTCACTGGGTTGGGAGCCTGT
CTGAATCTAAACATCTGCCTCTCTACTGCCCACCCCTTCGGCATTTCCTAGCTCTCCCTG
AAAGGTGCAAACATGCATGCAGTTACTCAAACAGAATATTTATCCTTAACTCCCTGTCCC
TCACAATTTCTTTTAAAACAATCCACTATTGTCTACCCCCGCCCCCGCATCACCCTTTCA
TCCAGGTGCCCATTCCCTTCTCTCTAGTCCTGCAATACCTAAGCATCGATCTGCCTTTAG
CACATCCATCCCCGCCTTATTCTCCACGCAGGAGCTGAGTGACCTGCACAAAATCCCCTG

Table 2

CTAAATACGGNACCT
Sequence 1172
AGGTACTTTCACATGCTATACCACATTTAATTAATTCTAACAACAGCACTGGAAAATAAG
TATAATTATGCTCTTTAGTTCCTTCTAGACAGAAAGCTTTCATGGGGATGAAAGACTGTT
CCTTAGCTCAGAGTAGGGAATCAAAGTAGGCGGGGCTTAGTTCAGAGTGGGCGGGGCTTA
GCTCAGAATAGGCCATCAATTTGTAGAATTGAAGTGTGAACTCTGAGGATGAAGAAACAG
GGCTGCAGGGGTGTGTAACTTGCACCAAGTCACCCTACTTTACATTGCGCCACACCGCCC
AGCTAAGTCTTCGAAATGTTCATAAGGTGCTTGAGCACTGATTCCTTTGCCTGTTCAATG
TTTGAATTCCACTGTCACTGGCTTTTCTTTTTTCCTCGTAATGAAGCAAAACCTGGTGGG
TTAATTAATCCTTCTTGATGCTGGGCAGCAGTAATAGGATCAAGAAGAAAGCCTTTCTCC
TCCTGTGCTCCCAAGGATGCCCAGCGGGGAGACTGTGANGAGATNGAACACAGCCTTCAC
TCTGTTAATTTGTTCAAGAGCAAAATCANCATGGAGATCTGTCCTCTCCANGGCTCTGGC
TTCCTCAAGGACAGCTGGCCACCCAGGTNCTATCCATCTTGTAAGGTCCACCGCCGTACC
CTTGCCCCGGG
Sequence 1173
CGAGGTACATTTGGAGCTTTATTTCCACTGGCAATGCAGAAACACCCAGCAAAAATGTGA
GAGGAGTTGGTGGGGCTTCCTAAGAGGACAAGAAGTGGAACCTGGCAGGAGATCCATGGG
AGCTCCTGGGACTAGAGTTCTGGGAAGTTGAAAGAAATTCTCAGAAAGAGATATGTAATT
TCCAGACTGGGAGAGGAGCCTTCCCTGCAATTTTTTTTTGTGGGGAGGAGAAGGGCATGGC
TCACGTGTTGTCCTGAGCTTTGTTGGCCCCCAACTGCAGGCAGAGAACCAGGAGCAGGGT
GGCAGGGCTGGCCCTGAACAGGAGCTGGAGCAAAGCGCATGCTGGAGAAAACAGAAGGCA
ATGTGTCCCAANAAAAAGTGGTCCCCGCGTACCTGCCCN
Sequence 1174
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AGGTTGTCCAGGGTCACTTTAATGGAAGGGGGAGAAAAGGAAGAGTTTGAGGCCAGACTT
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AATTTATTGCAGACCAACCAGGCTTTTTTTTTTTGAGACTGAATCTTGCTCTGTCACCCAG
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TTCTCCTGCCTCATCTTCTTGAACAGCTTGGATTACAGGCATTCGCCACCACATTCCGCT
AATTTTTGTATTTTTTAAGCAAAAATGGGGG
Sequence 1175
AGGTACCCAGCTGGGCTCTGGAGGGAAATCCGGAGGTAGATTCAGCTTCTGTCCTTGCCG
GGTGGCAAACCGGGCCCTTCCATCTGGAGCTCCTAAATAATTCGTTTAAATAATTACTGC
TAGCCCAAGGGCTCACGCCTTTAGTCCCAGCACTTTGGGAGGCCGAGGATAGTGGATTGC
TTGAGCCCAGGAGTTTGAGACCAGCCTGGGCAATATGGCAAAATCCTGTCCCTACAAAGA
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TGGGAGGTTCCCGAGTTNAAAGCGNACCACCTTGCAAAGCCTTNTGNGGCACCTTCCTTN
CCCTTATACCNNAGAAAAAATTAAAGGAGTAGGGCCTTCTNGGGCCCCTTTNTTACTTNA
AGNGNCNNTTTTTNNAAANAAATTCCCCCCCTTTTT
Sequence 1176
AGGTACGCGGGATTTCTGGAATTTTCCGTTTACTCTTTGCAGACTTTGGTTGACCTTGGG
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Table 2

ACTTAGTGCTTACAACATGCAGGCACTGTTCTAGTCATTTTGCGTATATTCATGAATCCT
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GGCAGCCCAGCTGGTGAGCTGAGGCTCAGCCGCACGACCGTGCTCTGGCCCCAAAACACT
CCTCGGTAACCCCCATCCTGCCCACACAAATGGCCCCGGAACACAGCGGCTGCTTTGAGT
CAGTTTCTCTCTCGATGACTTTTCCACGTTGGCTTCGATCTGGGAGTTCCGTT
Sequence 1177
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GCCAGTAGACGAGCTGGAGCTCTCGGTGCTCGAGCGGCAGCCGGAAGAGAACACGCCTCT
.CAATGGTGCCGACAAGGTCTTCCCTTCTTTGGACGAGGAGGTCCCCC
Sequence 1178
GGGGGACCTCCTCGTCCAAAGAAGGGAAGACCTTGTCGGCACCATTGAGAGGCGTGTTCT
CTTCTGGCTGCCGCTCGAGCACCGAGAGCTCCAGCTCGTCTACTGGCTGTGAGGGTTGGG
CCAGGTCCATGTGCCGGCAGGGAAAGTCTCCCCGCGTACCTGCCCG
Sequence 1179
AGGTACTGACTTTTGGAGTTACTTAAGAACCACAGTTCCTAAAACATTTTATTTGGGAGC
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TACATTTTCAACTTTCTGGATCCCTAACCTCTGGTCCCAAGTTACTACGCTTGCCTATAT
CCACTAACCACTCACTAGGTCACAAAGTTGATGGCTCTGGCTTGACCCAGTGAATGAGAA
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GGTTAGGAATCTATCATAACTAGTCTAGAGATTTCTCACCAAGGGAAATTCTCCTTATCT
AAAAGAGGAACTTCAGGTCTCAACCCTGCCAGTCACACCCAAT
Sequence 1180
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TACACATTCTTATCCTATTTGGTTATAATATAAATTCTTAAATGTAACAATTATACTTCC
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CTCATTTTCTAACCACATTTAAATTGATACTGTTTGAGTATAAACTTAGTATTTCCCTTC
ATGCTATAAATAAGTTACTATCTTTTTTTTTTTTTTAACTTTTCCATTTGTTCTTTTTGTTG
TAGACAGGGTCTTGCTCTGTCATTCAGGCTGGAGTGCAGTG
Sequence 1181
CCGCGGTGGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAG
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ACCTNTGCCTCCTGGGTTCAAGCGATTCTCCTGCTTCAGCCTCCCAAGTAGCTGGGATTA
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AGCAGTCGCTAATTAATAAGTGCAGGGCCCTTANAAGCCTCGCTTTCCCCTNTTTTGAAN
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Sequence 1182
GTGGCTAAGACTGGACTGTAGAACAGGGAGAGTATCTGGGGTTGTCCAGTGGGCTCAATA
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GGCTGAGACTGCCCAACCCACCATTGCTGGAGGGGGCCACTTGGAAAGCATGAGAAGGAA
GGGGGACCCAGTCCTACAGCTGCAAGGAATAATTGAGCCAACTGTGCATAAGCTTGAAGG
CCTCCAGGGTGAACCCAGCACCTCAGACACTGGCCCCATGAGACTGAGCAGAGGACCCAG

Table 2

CTGGGCCTGGCTGAACTCAAGCATCTGACTTAGAGAATTNGTGAGATAATCAGTGGTATT
TAAACTGCCAAGCCTGTGGTGATTTGTTGTCATGGAAGCAATAGAAAACTAATACAACAG
GGCTGGGCGCGCCTGTNATCCTAGCACTTTGGGAGGTGNGCGNGATCACCTTATGTCAGG
AGTTCAAGATCAGCCTGGCCAACATGGTGAAACCTAGTCTCTACTAAAAATACAA

Sequence 1183

AGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAGAGATGGAGTCTTGGTATGTTGCCCAG
GCTGGCCTCANACTCCTGGGTTTAAATGACCCTCCCTCCACGGCCCTCTGAATAGCTGGG
ACTACAAGCACACACCACCATGCCCTGCTCCAAAATTCTTTTGATCTGAATTTCCAAGAT
AGGTAAAGTTTTTGCTCTGGAATTTTCTCTATATTATCACCATGTGAAGAGATAATTCCC
TGACTCCTCGCCTCCCAAAAAGGACATTTGAACCAAGTGAAGCATCCTCGTTTATTAACC
CTATTTTTCCATGGCTNTTTCACANAGCTATTTTTTTTTTTTTTTTGANACGGAGTCTCGC
TNTGTTGCCCAGGCTGGAGTGCAGTGGCNCCATCTTAGCTCACTGCAAGCTCCGCCTCC

Sequence 1184

ACATACAAACCCCCTTGCCTTCTGTTCATTCTCCCTCACAGCAGCCAAAGTGGGCAAACC
AGAAAATGGACTGGCCAGCCTTACCAGTGTGCCTGTCTGACCAGCGGGCGACCTGGTCAC
TGCCCCAGAGGGTCAAGGGAAACCTATTCTCCTTGGCCACATTCCTTGAGATGGTGATCA
CAGAGGACACTCAGTTGCCACATCAGGACTTTGATATTCAGATGGAAAAGGCTTATATGT
TGATTTGAGTTAGTAATTAGGGCTTTTAAACTGCTCTTGTCGACATAAACACATACACTA
TTATTCAGT

Sequence 1185

CCGGGCAGGTACAAAAGCTTGTTTGGGTGGCTTCAGTGTTTGGGAGTGTATATGAAGTCC
CTACTGCCAGAGGCCCCATANACCATTTTGCAAGAGGCTTGAGCAAATCTTAAAGCTTAA
ATATATGTTCCTGCAGACTGAGGCAAAAGAATCGCTTGAACCCGGGATGCGGAGGTTGCA
GTGAGACGAGTATCGCGGCATTGCACTTCAGCCTGGGCAAGAGGGCAAGACTATGTCTTC
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ATCGNTCCCAACTTACTCAGGGAGGGNTGAAAGTGGGGAAGGATTATTTTGGCNCCCCAA
NAAAATTTTGNAGGCCCACCAGGTNGNGGGTATTAATCAATCTTGGNCAAAATAANCCCA
CTTGCAACTTACCAAAAACTTGG

Sequence 1186

GCTCCACCGCGGTGGCGGCCGCCCGGGCAGGTACTGAGGCTGGTGCACTCCACATTCCCA
CCCACATCCTGCCACATGTTGGTGAGAGTCTGGGGAGCCCCAGCCTACTGGCACGCCTTG
TTCCCTCTGAATTTCTGGAGCTTATTTATTTTTACCACCTCCCTCTCTGCTTTCTGTGTC
CATTCCTTCTGCTCCTTTTAGGTAACTGCAGCCAGAGAAAGGATGCTGATAGGATTTTTC
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GGGGGGGGGTAAA

Sequence 1187

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ATTGGTTACACAATCACATTGAGGTATTTAAATCCTGGCAGGTGGGAGCCTTTGCTTCCT
TTGCTCAACGGTGAATTCACATGGTGGTGTGGTAGGCAGAGGTTGCACGGCATTCTCTAA
TAGCTACAACTTACCTAGTCTTATCCAGTATAGGTATCAGGTAAGTGATTACACATGTTC
AGATCATCAATTTAACAGTAATCAAAGAGTTCTTTTAACTTANAACTCAGGGAAGTCAGG

Table 2

TCTGTCTTCTCAAGCTGAGAAGAACCAAAGCCATGGTATAGACATAACCATACACAGGTA
ATGTAAAACTATTAAGCT
Sequence 1188
GACTATAAAGTATACCAAGGCGTTTTTCCCCTGGAAGCTTCNCTCCGTGCCGCCTCTCCT
GGTTCCCGACCCTTGCCCGNTTTACNCGGGATTACCTTGTCCCGCCCTTTCTTCCCTTTC
GGGGAAAGCGTTGGCCGCCTTTTTTCTCATTAGGCTTCACCGCTTGGTNTGGTTATTCTTC
AANATTTCCGGNTGTTNANGGTTCGGTTTCCGCNTTCCCCAAANC
Sequence 1189
CACCCGCGGTGGCGGCCCGCCNGGGCAGGTTCTCGGGAGGAAAAAAAACCCTCCAATTAT
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AAGCTAAANACTTTCANCTTCTGTTTTCTGGGNTTCAACGGGCATTTATAT
Sequence 1190
GAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACGCGGGACAACTAGAAGATCACTGTAT
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AGCCGCCCTGAAAGAGCTGCAGGAGGCACAGGGAATTATATTAACATAGTGGATTGCACG
TTAGGGACAGAAATGGACCAAGGAGCACATGAGAAGTCCACATTGATAGAGGTGCCTGGC
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GAAAGTAATTGNNTCCCCTTTAGAATTTCATTT
Sequence 1191
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ACTTTCCAACAGAGCTCGCGGAGACTGGCCTGCAAATGCATGTGCAAGCAGGGCCTGGGT
AAACACACAGGGGGTGGGAAAAGTTTCTAGTACCTCGGC
Sequence 1192
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CAAAAATAATAATAATTAAAAAAAAAGTGACTGCAGGGGACTGGGAAGAGGAAACACAAA
TCTTTACTGGGGAAT
Sequence 1193
AGGTACAAATCAAAGATTTGAAATGTTGTGCCGCTCATCAGCTTCACATTCATCTAGATA
CCTCTCTCGTTAAGACATCTGTCCAAGTAGTAAGGAGGAAATGCTTTAAAAACTTGCTCA
TTATTAGCCACCTTTAGTCTCACCCAGCCCAGAATTTCTCCTGAACTGAACGAAGTGCTT
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Table 2

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AAACCTGGTCCCCAAACTTCCCACCTTTTCCTTTGGNTTTTCAANTCTCTTAGGTAACAA
TTNTTTCCCCCTCNANGCTNTTACTNGGAATTNCCATTCACCNANTTTTTGGAACNACCG
GGAATTTA
Sequence 1194
TAGGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACACAAAAACGTGAATTATTTG
AAGCAGCAGCTAGAAATAATCTTTTCCCTTCGAGCCCCCATGACCCACTGATTCTCTCTC
TTGTATCTTGTGTTGCAGTGACTCAACAAATACTCACTGGGCACTGACCACATGCCTCTC
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TTATTATTTAATTTAAACTAACATC
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TTAGAAATGGAGCCTCTCCAGGTGTGTTTGATGAGTTGGGGTGGAGCCNAAACTNTCCCC
TCCCTTGTTTTGCNTACTGCNCTTTTTGTTCATACAGCCCTGNTNNATTGGACACTGGGC
NCAAAGNGCTCACAGAACAATGCCCCAAGCTGCCATTCCCC
Sequence 1196
GCAGACTACGCGGGAAGCAGTGGTAACAACGCAGACTACGCGGGAAGCAGTGGTAACAAC
GCATACTACGCGGGAAGCAGTGGTAACAACGCAGACTACGCGGGAAGCANTGGTAACAAC
GCATACTACGCGGGAAGCAGTGGTAACAACGCAGAGTACCT
Sequence 1197
CTGAACAGATGAGAAATTACAATGTTTGCATTCATGACACCTGGAGGAAAACAAACCTAC
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GCCAACGAGAGTGAGCTTGAGCTCAAAGCAGATTAAATATGCTTTAATAGCTGCATAGAA
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AGTTTCGTGTTGGGAAATCTGTAACTGTATCTTCAACCATTATACAACACCTTTTTGAAG
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GCCCTATTTTTGGACCATTCACNACCCCCTTTTTTCTTGAAAGTNAGTGGCNTTTTTTAGG
ANCAANTTCAAAAAGTNAGCCCCTTNGCCAAATTTGGNTTCAANTNGAAAAGGGCTTACC
CAGNCCCCC
Sequence 1198
TGCGTATTGGGCGCTTCTTCCGCTTTNCTTNGGTCAACTGACTCGCTNGCGCNTCGGTTC
GTTTNGGGCTGGCNGGCGANCCGGGTATCAGCTCAACTCAAAAGGNGGGTAAATACCGGT
TATNCCACAAGAATTCAGGGGAATAACNCNNCGGAAANAAACATNTTNNNACCAAAANGC

Table 2

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ANANGGGGGNGGNNAANCCCCCCTGGGGTTTTTTTAATTNNNCCCGGGNGTTTTNTCCCT
TGNNNANNATTTTTTTTNNNCCCCCCTNCNCCCCCCCCCCCCCCCCCCCCCCCCC
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Sequence 1199
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AACACGCCTNTCAATGGTGCCGACAAGGTCTTCCCTTCTTTGGACGAGGAGGTCCCCC
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Sequence 1200
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ATTAAAAAGG
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Sequence 1201
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TATGGAGTTGATTATCAACAGAAGCTAAATGAATAAATTATTGACTAATTTACACTAGCC
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AATTTAGAAACTCTTATTCCATTTATTTTGTAGTGGGTGAAAGTAACGCAAGCAATTTTC
CATAAGCACAATAGCTTTTCTTTTAGAACACCGTAAATCTGAAATACTTCCTGTCTGTCT
TAACAACATTCCTGAATGATCATCTTAAGAGCTGGGTTTCCCATTGTGCTTACTAGTCTG
TAAGCACAGCAGTTGCTTCAGTATGTATGCTACTACTGCCTCGTTCCTATATGGGAGAAC
CTCACCATCCCAAATAAGTCTGGGCAACCCTTGGGAGAAAAAAAAAATACCTTNTATAAT
CTTTATAAACNAAAGCACTACATGGTATTCAGNTCAGAACCNAGATTTTTNGGAAAAG
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Sequence 1202
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CCAAATATAAAAAATGAATACTAAATCAATAGCATGCTTAATCCCCACTAGGTCCAACTC
AGATTACTTCTTTTGGATGGAAGCTTCAGGCCTTTGTGGTGTCCCATATCTTAGCTTTTC
AGAGAATTCTGTCCTCACAGTGTTGTTTATAAGACAGTGATGCNAAGCAGAAAANAATCA
TCACAGTAAACATGGGAGNAGTATGCATGTTCCCGAATTTTTCATTTTGTCCCNTGTCGCC
TGGAAGCCCACTCTTACNAGTCTTTCTTGAAATAAGGTAAAACTTGAATTAACCCCCGCA
ATANAACTGGNTTTTCTTCCCCCATNAAAAAANTCAGGTTGGCATAAAAAGGGGCAGGNT
TAAATGGATGGGGGAAGGGCANCCCNGATNGTTGTTTANGTCCTAACGGGTGGGACAATT
TTT
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Sequence 1203
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CTCCACCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGAGGTCATGGAAAGTAAGAATTA
TTACTATCAAGGGGCTGATGGGCCAAAGGAGGGAAGGAATTAATTAGAGGAGCTAACAGA
CCAACAAACAAACAAACAAACGAGCAAAAAACCCAGGTCCCAGGACAGGGAATCCTGATG
GGGCGGAGGTGGTATCTCCGCAGTTACTGAGAGAGGGGCTGTGGTCAGTTTCTTCCCCTT
GAAGATGTTTCTTCCCCTTGAAGATGAGAATGATGTTAATATCCACTATCTGGAGTTGTT
CTGAAGATGAAATGACATANATCCATGCACCAAGCATGTGGTTAAGTGCTCAACTTATNG
TATTAACAGAAAATTCA
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Sequence 1204
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CCGCGGTGGCGGCCGAGGTACTGACTTTTGGAGTTACTTAAGAACCACAGTTCCTAAAAC
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Table 2

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Sequence 1205
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Sequence 1206
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Sequence 1207
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Sequence 1208
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TT
Sequence 1210
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TCTGGCCCACCACCTTGCTTGCTGTGATTTTTTTTTTTTTTTCCTCACACATGATAAGCTG
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Table 2

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Sequence 1212
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TAAGT
Sequence 1214
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Sequence 1215
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Table 2

Sequence 1216
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TTGGGGCCCAGCTGGTTATAGGAGCTGAGCTTTTCCACACCTCTCTTTGTTAACCCTTGG
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TGAAAGCACTCATCACCTAGTTTTACTAGGCTGATTGGCAGATGTGGACATGACA
Sequence 1217
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Sequence 1219
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Sequence 1220
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Sequence 1221
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Sequence 1222
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Table 2

Sequence 1223
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Sequence 1224
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Sequence 1225
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Sequence 1226
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Sequence 1227
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Sequence 1228
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Table 2

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Sequence 1229
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Sequence 1230
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ACTAGT
Sequence 1231
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CCAGGTCCATGTGCCGGCAGGGAAAGTCTCCCCGCGTACCTGCCCG
Sequence 1232
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Sequence 1233
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Table 2

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Sequence 1237
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Sequence 1238
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Table 2

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Sequence 1239
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Sequence 1240
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AAAGCA
Sequence 1241
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ATGCTTAGAGTTGTAGAGT
Sequence 1242
CCGGGCAGGTNCTTTAGGAGACCCAGGCGGGCAGATTGCCTGAGGTCAGGAGTTTGAGAC
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ACCCANGAGGNGGAGGTTGCAGTNAGTCNAGATCGCGCCACNTGCACTCCAGCCATGGGC
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ATTTAAAAAGGGGATTAATTTTTTANTTTTGGCNAATTCAACCAAAAAAATTAAATTTNC
CTTTTNACCTTCCCCCCCCCAAAAAAAAATTTCCAAANTNAAAAAAAAGNTTTCCAAAAATA
ATGCCANACCTTTTTTTCCTTAAATGGTNTNTTTAAAAAAA
Sequence 1243
CCGGGCAGGTATCATAAAGAAGCCAGCAGATGGTGTTATACTAGCTTTCGAAGTTCCTTC
GTCTGCCTCAGCTGAACTCTCCCTGAAGCCAAATAAGGACATCTCAACATCCACATGGGC
ACACACACGCCTGCGCGTGCACACACACACACTGCTGTTTTTATGTAACGTGTAGCTATG
CTGAGTTTTACCTCCACTCTGTCAAAGGTGGTCTTTTTGTTGATTGATGAATTTGTTTTC
TGTCTCTACTAAAAATACAAAAAATTAGCCGGGCGTGGTGGTGGACNCCTGTAGTCCCAG

Table 2

CTACTCGGGAGGCTAAGGCAGGAGAATGGCGTGAAACCTAATAGGTGGAGCTTGCAGTGA
GCANAGGTAGTGCCACTGCACTNCAGCCTGGGTGAGAG

Sequence 1244

CCGGGCAGGTACTGGGGATTGATTAGCCACAGTCTTTGCCACAGACTCTTTTGGACTGAG
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ACACCGGAACTTTTAGAAGACTTTTAGAAGATTTGTTGCTGCTGTGAGTGACATCAGTTC
ACACAGCCTGAGAGAGAACTCTCAGTCCATGCTGTCCCTCCTTGGGCTCACTCAAGCGAA
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AAGCCAAGCTTTTATCTTGATTTTGGAGTGTGATCAAGGTGACAGTTGTTCTCCCGGATG
ACAGGAAATCTGACTTTGGTTTTGCTTTTTTCCATAGAAGGTCAATTGGCCTCAAAATTT
TGGGCC

Sequence 1245

CCGGGCAGGTACGCGGGGCCAGCAGCCAGAGTGAGCATATAAAATGCAGTTCTGATCCTG
TCACCTCTCTGCTTAAAACTCTTCAGAGGTTCACCATCGCTTCCAGAAAAAGATCAATAC
TCCTGACGTGGCAACCTGTCGAGACTCAGGACCGCTAGGAAATCAGCTCTTGTTTACCCC
TCTATCCATTACACTACGATCCAGCTGGGTTTAGGTATCACTTCCTCTGAGCAATCCTCC
CTGATGTCATGAGGCAGTGCTGAGTGCCTTCTCTGGACCCTCTGTTTACTTGCCTGTTAA
ATCCTGAACATCTGGAAGGGAGTCGTGTTCAG

Sequence 1246

ACNCGGGGGAGTAGGAATGTTCCATAAGTAAGAGAGATGACTAGGGTTTCAAGAACAAGG
ACCAGCACCTATNAAGGCTCTGAGGCACAGACCACTGTGACCTGTGGAGAAGTGGCTCCC
ACAGTTTCCCAGAACTGCCCCCCTTGGTCAGAGTCACGGTTCTCCTCTTGTAAGAGAAGCT
CAAGGGCAGACCCTCNGCAGGAAGCANACCANCATTTT

Sequence 1247

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AAACTCTTGTTTCAACATTCTTTTTTTGGGTTGGTTGGTTTGTTTGTTTTGTTTCTTTTTT
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NGCTTTGTTTNACCAGGGGGTTGGCCAAGGGAACCTGGGANTATTAGGCACCCTTNTTAA
AAACAACAACAANGNCNTTGGGGCCAAAAAAGAACTACCAAACCGANCGAACTTTTNGGG
CANAAAGAACCAAAAANGAAAAAAGGGGGGCCCCAAGGGNATTTTTCTTTTTTTTTCCTTT
NTTTC

Sequence 1248

CCGGGCAGGTACTTTTCAGATGAGCAAAAATGTAAACAATTGTTAATGTTCATGGTTGGC
AAGAGTGTGAAGTCATGGGGATCCTTGCATCACAAGTTCTTAAAAACTGCACATGCCTTG
CCCTAGTAATTCACTTTATAGAACTTAATTTAAGAAAATAGATGGGCATGCCCAGCACTT
TGGGAAGTCAAGGTGGGCGGATCACAAGGTCAGGAGTTTGAGACCAGTCTGACCAACATG
GTGAAACCCTGTCTTTACTAAAAATACAAAAATTAGTCGGGCATGGTGGTGCATGCCTGT
AATACCAGCTACTTGGGAGGCTGAGGCGGGAGAATTGCTTGAACCCGGAAGGCAGNAAGT
TGCAGTAAGCCGAG

Sequence 1249

CCGGGCAGGTACGCGGGGCCGGGCGCGGTGGCACGTGCCTGTAGTCCCAAGTAGCTGAGA

Table 2

TTACAAGCGTGCGCCATCACACCTGGCTAATTTTTTTGTATTTTTAGTAGAGATGGGGTTT
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GCCTCCCAAAGTGCTGGGATTACCGGCNTGAGCCACCACGCCTGGCCTCGATGACTTCTT
AAGAATTTATGTCAGAGTATTCTATTTGGCTACCTGTTTTATTATATTCCTGTCTGAGAA
ATGGTGGTCGGTCTTTCAGACTGAGAGAGCAGCACGTCTCTTTTGAACTGTCACCCCTTA
GCACTAATA

Sequence 1250

CCGGGCAGGTACGCGGGATACTCTACAGCGTGTGCATGGCTGGATTCAGAATTTTTGGTT
.TTAAAAATTAAGCTTTTATTTATATTTACCCATCAGGTCACCGAATACTTGGATTCAACC
AAATGCTTGAAAGCTTCTTCATTTGGGGGAAGGTGGGTTTGGAGGCAGAAATCCCTGCAG
ACTCCACACCCAGGGTTTTACTAGGTCCTCCGCGGCAGGTGGAAGGAAAGCTTGTTGCCC
TGCAGTTCCGTTTGCTTCAAAAACAAGGGTGGGAAGGGTTCACCAATTGATCTTTGTGCA
TATCCAGTGTAGGAAAAGTGTTATTTAGAGTATCATTATAAAATCGGCTGCATATGGTGG
CTCGTGCCTGTAATCCCAGCACTTTGGGAGTCCAAGATGGGCAGATCGCTTGAAGTCGGA
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ACCCGGGCATGGTAGCCGGGCACCTGTAATCCCCGCTACTCGGGGAGGCTTGAGGCCCAA
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NNTCATTTCCAACCCTGGGGTGACAGANCCAAGGACTCCATNTTAAAAAAAAAAANANNN
NNNNNNNNNNAAAGNTCCCTCGGGCCGCTTTTNAAACTAAGGGGAANCCCCCCGGGCTNN
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Sequence 1251

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TAGTTTAAATTAAATAATAACTTAGTTTTTGGCTTTGAATACTTTACCTCTGTCAGTTTC
CTTACTCTAAAATGAGGAAAATAATCCCTCCAAGACAGATTATTGTAAGGATGTATGGAA
TGAAGTATATATAAATATGAGACTGAAGAATGAATGAACGGTTGAGCTGATGGATGCAGC
AGTGTAAGAGGAGGGCCTGGCCCCTCGCTCGTTCTCCCAGCCCCAACTAGAAAGAACATC
TCANGGGCCCAGACCCTGCCACATGTGCCATGGTAAATCAGGGGTGGGCCATGCTTCTGT
GTTCTTCCTGCAACCAAACATCGGTTATAGCCGGTGGCAAGCACTGTAANAGGGGCCAGG
CCAGNAGGTTGAAGTTGGCCTTNAAGGGGG

Sequence 1252

CCGGGCAGGTACTATACTTCCATTAGAGACTTTTTTTTTTTGAGATGGAGTCTCTCTCTGT
CGCTCAGGCTGGAGATTGCAGTGAGCCAAAATTGTGCCACTGCACTCACTCCAAACTGGG
CGACAGAGTGAGACTCCGTCTTAAAAAATAATAAAAATAAAATAAAATAAAATGGTAAGG
CACATGTTGTAGTCATTATTGAGAACAAAAGAAAAGCAAAATTAACTGAGAATCTTTGAA
GTTAGGTATTGTTAACTACTGATTGTCTAAATCCACCACTTCAGTTTGTTTTAAAGTCTG
CTTTTCTATCAAAATTTTGAACATTCACCGTAAAGTATGCCTCCAGAAATGACCACTAAT
ATATTATTAAACTATTCTTAACTATTCCATGCATAGTGGGAGATATTGAGGTCTATTGCT
TGATATAAGAAAATTAAAACTGNATTTCTTCTTTCTTTTCCCTGCTGGGAGGGGTAAATT
TACCAAAAATAATCNGATAGGTTTCCGTGGGCNCCTGGTTNAAAGTNGGAAAATGCCNCT
CAAAAATAAATTACCAATTTNAANGGGNGCCCTACCAGAATTTTTTATAAATNGCCCCAA
GGTTAAATTTATTCTTTCANAAAAAAATTNTTGCCCCCAATACCAGGTATTGTTTACCCGG
GATACCCAATTAAAGGAATTCCAATTTNTTTTTTTTTTCTTTGAANANCTTTTGGCTTGGG
TTTTTTTGGTTTGGTTTGGTNTGGGTTGGGTTNGGTTGG

Sequence 1253

GGGGGACCTCCTCGTCCAAAGAAGGGAAGACCTTGTCGGCACCATTGAGAGGCGTGTTCT
CTTCTGGCTGCCGCTCGAGCACCGAGAGCTCCAGCTCGTCTACTGGCTGTGAGGGTTGGG
CCAGGTCCATGTGCCGGCAGGGAAAGTCTCCCCGCGTACCTGCCCG

Sequence 1254

GCGAATTGGAGCTCCCCGCGGTGGCGGCCGCCCGGGCAGGTACCTTTAATCCTCCACTGA

Table 2

CTTTGGAAAAACAACAAAATGCCAGCTTCCACCAGATCATTTCTTCTTAATTAAAAGTTA
GCCAGATTCTTTTGGAGCACTCAATTTTTCTGGTCAGGTCAACAAAAAAGTAATGAACACC
ACACACACCTCCCTCCCCTGTCTTCCTAGCCCCATTCCTGGAGTTATGCAACCCTTGGGG
GCGGCATACACTTCAGCTATTTGCTCTGTGTTCATAATTAGATTGTCTAGACAGGAGATG
TTGCTGGAGCAATAGGAAAATATTTTACAAGATGTTCCGCAGAACCACACTTATAACAGT
GATTAGGACACACTGCCAGACGCCGAAGCCAGCAGAATTGGCCCGGGCCACGAGCCGGTT
TCACCCAGAGCAGAAGCCCTTTCAAGCTCTCATTTCAGGAAGAGGTGCCAAATTAGAGCT
CTGAGGGCATGGAGCAGCAACTTCTTGGCCTTTGGATCCGAGAAAGCAAGGNTGAGATAA
TAGAATGATGTCTGCGATGCCCTTCT

Sequence 1255

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TGACTGCATGGATGGCTCCTCCCTGGAGAGAGGAGGACCATCTGACTGCCAAGATGGGGC
CAGCGCCACCTCTTTGAGCCCCTCCTAGGGTGCTGAAACAGCAGCTGAATGGCTGCTGGG
CTTAGCATGGCTGAGGTGGCATCATGAGAGAGAGGCTGGGGATGATGTGACATGGACCTT
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AACTGAGGACAGCTTGCAGGTCAGGTTGTCATGTGAGCTAAGGACAAAACTCCAGCCTGC
TAAGGTATNAGAATATGTGCCCTGTGGGGGATGAAGATGACCGGAAGGAGGCAGGGAAGG
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CATTCCAGCTTTTTTGCTTATTGGTCTTACACCACTTTTTCGGGATTATATTTTCATATT
TCAATAAAAAAGANGTTTTCNAAAANTTTCCAAGCTTNGCTTTGGGGAAGANTTCCATTC
CTTTTACTTCTTGAATAGCCTTTTTTTTTTAGTCCCTTTCCCCCA

Sequence 1256

GGGGGACCTCCTCGTCCAAAGAAGGGAAGACCTTGTCGGCACCATTGAGAGGCGTGTTCT
CTTCTGGCTGCCGCTCGAGCACCGAGAGCTCCAGCTCGTCTACTGGCTGTGAGGGTTGGG
CCAGGT

Sequence 1257

AGGTACGCGGGAGCGGGCTTATTTTTGAAAGGCATCTGTTACTTCAGTGGCATAAAGTGC
CCTCACACTGCTGTGCAGCCATCACCACCATTCATCTCCAGAATTTGTTCTCAGTCCCAA
ACTGAAACTATACCATTCAAACAACAGCGCTCCCCATTTCCCCCTCCCCCGAGCCCACGA
CATCTCCTTATTATTATTTTTTTTTGAGACAGGGTGTTTCTCTGTTGCCCAGGCTGGAGTG
CGGTGGTGTGATCTCGGCTCACTGCAGCTTCCACCTCCCGGGTTCAAGCGATTCTTGTGC
CTCAGCCTCCCAAGCAGCTGGGACTATAGGCACGCACCACCACACCCAGCTAAGTTCTGT
ATTTTTAGCAGAGACGGGATTTCACTAGGTTGCCCAAGCTGGTCTCAAACTACTGACCTC
AAGTGATCCACCCGCCTTNGCCTTCCAAAAGTGCTGGGATTACANGTGGTGAGCCACCGC
GCCTGGACCACATCTNCTTATTCTTAAATGGATGNGGTTTCTCAATGGGTTGGATTTAAT
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GAATACTGGCTTTGACCGGNTNTTAAACCCANCTTNTTCCCTTGAACTTGNAAGGCCTGG
CANTATTCCAAGTANGGTNTAACTGGGAAAATTTTGTAACCTTGGCCCCGGGCCGGGCCG
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GCCTTTNTTCCGATACCCGGCCAANCCTCTAAGGGGGGGGGGNCCCCG

Sequence 1258

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TCTTGCCCATGTCCTGCCTCACCTTCCTCCAGGGAACTC

Sequence 1259

CCGCGGTGGCGGCCGCCCGGGCAGGTACTGTGTCCTGTTTTATTAGGTCTTTAAGAATGG
GAGTTACTCGCCCAGAGCAAATAAAGATTAACTGGCACATAGTAGGAAGCCCAAAAGGAA
CCAGTGAAGCAACAGAAGATAGAGTGAATGAATAAAGACACATGAATGCACTAAATCTTT
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Table 2

ACTAAAAAATTGCTGTCATTGGGAGAGAGGCGGGTGGATCACCTGGGGTCAGGAGTTCAA
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CATGATGGTGGGCGCCTGTAATCTCAATTACTTGGGAGACTGAGGCAGGCGAATCGCTTG
AACCTGGGAGGTGGCGGTTGCAGTGAGCCGAGATCACACCATTGCACTTCCAGCCTGGGC
AACAGAGTGAGACTCCCATCCCCNNNNAAAAAANNNNNNNNNNNNNNGTTCCTTCGGGCC
CGCT
Sequence 1260
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TGCTGTGCACCCCCTTGGCTCTGCTTGGAAGGTTCAGCTCTGCAAATGGAAGGTTGCAAA
CATCAGACACCTTCTTTCTGTTTCTGTCTCTCTCCCCTTCTTCTCCCCACAGTGTCCAGC
CTTGGCCCCTGACTTTTCCTGGGGTTGGGGAGGCCTGTAGGGTTCAGAAAGCTGAGCAGC
TTNGGTGAAGACCTCCCTTAGCTCAATGTGCTCTGGCCATAGGGGAGCAGGACCAAGCAA
GCTGAGTTTTGGGGG
Sequence 1261
GCGGCCGGGGGGACCTCCTCGTCCAAAGAAGGGAAGACCTTGTCGGCACCATTGAGAGGC
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GGTTGGGCCAGGTCCATGTGCCGGCAGGGAAAGTCTCCCCGCGTACCTGCCCG
Sequence 1262
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GTGCCGGGATTACCAGGCCGTGAGCCACCGCCC
Sequence 1263
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GNAAGGGCCGGG
Sequence 1264
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CCCCAGAGGACCGTGCATGAAAGGCGCCTTTCCTGGCGCGTGTGTCTCTGACCCTGTGGA
TCTTCTGGACAATTCCCGGAATTTCTTGCAGGGCAAGCACTTCCCCTTAAGTCGCTCTTT
CTCGTTTGGGATAGTCAGTATTTATATAGNCACTATTCTCTTTTTGGGTAGCCATCTAAT
TTTATACTGNTAGTCAAGCTCTACTTCCTTTCCCCTAAGAGTTTGAATTTATTTTTCTTT

Table 2

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AACTACCTACCAAGGAAAAATATTCCACCAAAAGGGAGAAGAAACCGGAGAAAGCTTTGG
CAATTTCCNGGGANGAAAAAAAAAAAAGGAATTTCCCCNA
Sequence 1265
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TTTT
Sequence 1266
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GCCTGCGGTCTGAGGCACCGGCTGAACCATGTCGGAGATCCTGTGCCAGTGGCTCAACAA
GGAGTTGAAGGTGTCCCGGACCGTGAGTCCCAAGTCATTTGCAAAGGCATTTTCCAGTGG
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GGACAGCAGGGTTTCAAGTGCCAAACTTAATAATTTTTCTCGCTTGGAGCCAACACTTCA
CCTTCTGGGTGTGCAGTTTGATCAGAATGTGGCCCATGGCATCATCACAGAAAAGCCTGG
GGTGGCAACAAAGCTGTTATATTCAATTGTACCTCGGCCCGCTCTAGAACTAAGTGGG
Sequence 1267
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CTCTAACAATGAATCAAGTAATTCTCTCAGCTCATGTTGCTACAAGCAGCCAGCCGTAAC
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Sequence 1268
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GACTAACCTGCTGTAGTATGNGACCACAGAACAGATTCCCTACTTTNANAAAGCTTCAGA
CCAAAATAAACCAAACATTTTACCAGTTTTTTAAAAAATTTAACTCA
Sequence 1269
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AGGTGGTACCT
Sequence 1270
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Table 2

TCCCGCGTACCT
Sequence 1271
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CTCACCAGCTGTGGTGAGGATTCTGGCTGGTGGCCATCTTGTGCTCTATAGCTCTAGCCT
ACAGGAATATTCTGAAGAGATGTGAGGAAAAGGAAAAAAAAAAGTACCT
Sequence 1272
AGGTACCCTAGACTCTCTTTGGAGGACTCCCAAGGGCTCCTGAAGCTGCTTTGCCCTCCT
TTGCAGAGAGCAAGAGGTGCCAGGGATTTATGTCCTGGCAGGGCAGTGCTGGATCAATGA
CTTAGTAGGAGGTCTGGAAAGCCTAGTGCCCTTGCCTTGAGTCTGGACACACTTTGGAGT
TGCAGTTCACATCCAGGCTGCAGCTGGGGCTCTCCCAGCACTTCCTTCAGTCACACACAC
ATGGATTCTTGTCTTGGTGTCTGGTTTGGGGGAACCTGACTTAAGTCACTTTTGTGGACA
TTTTGGAGAGCAGGTTATTTCAGCCGGCAACCAGGAACTAGACTCCCGCGTACCTGCCCG

Sequence 1273
AGGTACGCGGGGGGACTGTCATGTAAGAAGTCACAAGAATTAAGATTATTCCCATTGAGAA
AAGGGACACACAGTCTGAGGTCGCTGAGGATACTTTCAGGAAAGTGGTAAGATCTGATGG
ACAAAGAAAAGGATAGTAAACCAGATGTCCAGACAGAGTGCCATATGGCAGAGAAAAGGT
GTGTCAACTGGAGGCATCAGGAACTCCTATGAGACGCGAGAGTTCCCTAGACCCCTTCAC
TGGACTTGCAACAGGGGTACCTGCCCG
Sequence 1274
CCCGGGCAGGTACCTATGCGGAAAGTCCCTTCCTTCCAGANGCCTCCACTGANTTNTGAT
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TGTCAGACTGCAAGCTCCCGTGAGCTNGGTTCATTGCTAATNGTNGACTTGGCCTGGCAA
ATAATGACTTGGCCTGGTAAATAATGATTACACGAACAAATGTAACTAAGACATCCAGAT
ACAATCTAATGCATTTCATGCAACTCGTGTAACCAAGTGAGGTTTTCCAGCTGTTTCAGC
TTCTATTATAACTTACATTACAGCCCCGCCGTACCTG
Sequence 1275
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CGTCTCGGTTGTATCTTCATTTGGTGCCGCTCTCACGGACGCCTATCTTCCTCTCTGTCT
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ANCCCNCATGAAAATGCTTGAGGGGAAA
Sequence 1276
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ACAAATGCTGAACTAGGAGGCAACTTGGGGTTTTAATATGTTCCTTAAGTTTGCATCCTC
CCACCTTCCCTGGATGAAAACCACTGGTGATGTGATTTAATTCTTTTGGCTGAGTGAGAT
AGACAAGAGGAATGCAGAAATGGTACCT
Sequence 1277
AGGTACACAGGGCGGGGAGCCTCGGGAGCGGCTCCCTTAGCAGGACCTGAGGGTTTCGGG
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GCTTTTTATGCAGGATGTAGGATCGAAGGCAAATCATCCTTTCCCTACGTCCCCTGCCAA
CCCCTGCCGCTCTCCTCTATTTTGTACCTGCCCG
Sequence 1278
AGGTACTCATCACGTTGAAGGGTCATCATATGTGTTCCCATTTTTTTTCTCTGCAGGAAAG

Table 2

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AATGGATCAATCAAATGGAGCTCT
Sequence 1279
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CTCTCAGCTCTGGTTGCTGTGGAGAGTAGCATAAGTGATATCTCTTCAATGGTGGTTCTA
CTGCACAAAGAGAAAACAAAACGTTGTCTTCTGGCCTTCCAATGGCAGAATTTGACCTGC
TTTTGGCTTTGAAATGCCTCATATGATATTCTTCTAGCAGATTTGTCTAATTATATTTTG
·CTTGGGCTAAGATTAAAATTAATTGGTCTTTTCATGATCACACATCAGGAGAGTAATAGG
ACCAGGCACCTGAGACCAAGCCAGGGATTAAAGATTGGTTATGGGA
Sequence 1280
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CCCCCCAATTGGAATTCCTTCAATTNGAAATTCAATTAGGATTANGGCAAACCTGGCCTT
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Sequence 1281
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· TGTCCCTCAGCGTTCTTAGCACTTGTCCTGACAGTGTCCCAGATCCGATATCAACTGCAT
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AAACCTGAATTCTCTTCCATTATCCATTGGTTGCATTTTTAATCACGTATTCCAGGACCT
GCTCTGTACCT
Sequence 1282
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·· ATCAGGAAGGCAATACCATTCACAACTGCCACAAAAAGAATAAAATACTTAGGAACACAG
CCAGCCAGAGAGGTGAAAGACCCCTGCAATGAGAATGCAAAGCACTCTTCAAAGAAATCA
GAGATGACACAAACAAATGGAAAAAAAGTCCATCCTCATGGAGAAGAAGATTTAGAGGCT
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Sequence 1283
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CAATCCCGCGTACCTNGGCCGCTCTAGAACTA
Sequence 1284
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· TGCTTAAAAAACTGAGCAGACTTTAACAACTTGCAGACTTCACTTAAAGTCCAGATTCCC
·AGCTTCTCTTCTCTTTAAAAAAAAAATTAATAGAACTGCAAATCAGCAGCCCTAGGACTAT
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CAATCCCCAGTACCT
Sequence 1285

Table 2

AGGTACCTNATTCAGGTCTGATCTGGGACCCCGTGTTGTTNNGCNTTGGNNGGNACAATA
GAAAANAAAAANANTTNTTCTNCTTCTTGCCATCCAAGCCAGTCTGGAGAAGATGGACCC
CTTACTCTGAGCTGGTCAGAAATATGTAGATCCCCTTCCTCATGATTCATCCATCTCTCG
TGATCCCTCAAACTTTTCCCTGGAGGATCTTAGCTNAGAAAAATGTCTATCCAGCCAAAA
GAATTAAATCACATTCACCCAGTGGGTTTTCATCCCAGGGGAANGGTGGGGANGGATTGN
CAAAANCTTAAGGGAACCATTATTAAAAAAAACCCCCAAG
Sequence 1286

AGGTACAATTTATTTAGAGACACTTTTAACTAAGAAAAAATAAGAGAAAGAAAATAGGCT
CATACTTCTTGGCATATGTCAAAATTTGTTTTGACATTCCCTGAAATGTTTGCATTCTTA
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TAAAGGACTTCACAAATTTACTTCTTAAAACATAGAAAGACTTTTTTTTTCCTTTTCCTC
ACATCTCTTTCAGAATATTCCTGTANGCTAGAGCCTATTAGGAGCCACCAAGGATGGGCC
ACCCANCCCAAGAAATCCTCCACCCACAAGGNTGNGTGGAGTGGGGTTTCAAGAANGAAC
ACCAGGAAGGAGGCTGGNNATTGCCAAAAGGNGAAATTTTAA
Sequence 1287

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AAAAAACCGT
Sequence 1288

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Sequence 1289

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CACTTTTC
Sequence 1290

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CTT

Table 2

Sequence 1291
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CATTCCCTTTGTGCTGTACCTGCCCG
Sequence 1292
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AGACAGAACCCTGAAAACAGCTTGTGCCTGCCCCGCATTTTTGACCCCTTGCCAAGATAC
TGTACCT
Sequence 1293
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CTCTCTGATATCCAGCACAGCACTAACCTGACCTCGCCGGTTTCCCTTTGGGGTATTATG
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AATGAATGCCCTCCAGGATCTGTGTACCT
Sequence 1294
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CAACAATGATTGTTACCTTTCTTTTAGGNGTTGGGTATCAGCCTCAATTTCTAAAGAANA
ATCTCTTTTGCCTCCCAATTGTGCTGAATTGGAAACCTTACCTATGTATTTATTTATTCA
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CGAGGGGGGGGGCCCCGGTTCCCAAGCTTTTT
Sequence 1295
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GAATGTAAAATTGCTCATATCTAGTGTGAAACAACCAGATTTAGTTAGTTATTATGCAGG
GGTGAATGGCATATCAGTGGTTGAGTGTTTATCATCAGAAGAAGTTTCTCTTATCCGGAG
GATCATTGGTCTTTCTCCATTTGT
Sequence 1296
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GTTGGAGGCGTTAGCAGCATTTTGGCTGGGGTATATGGGAGGCAATATGGAAACCATCAA
ACTTGTTCTCACGTCATTCTGCAAGTCCTGGTGTCCTGAGGTGTGCTGAAGCCCTATCCC
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AAATTCAAAGCATTCAAGTTTA

Table 2

Sequence 1297
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TGCNGNGCTCCNTNGCCCCACGGANNACAANAATACCCNCN
Sequence 1298
GAGCTCCACCGCGGTGGCGGNCGCCCGGGCAGGTACGCGGGGATAGTTGAAATGGAGGGC
GGGGAAGTCAGGCAGTGGTTTCTGAAAGCCAAGAACTTAGTAGCACTGTGCCATTCTCTT
GCCTGATCCAGTGCCATTCCCTTCACTTGATATCTGTTTACTTTAGAGGAGGCAGTTTTT
GAGAAAGGATCATAAATATCCTGGCCCAGTGCCCCAGGAGCTATGACAAGCAAAGGAACA
.TACTTGCCTTGGAGATAGCCTTTTGCGATATTTAAATGTCCGTGGATACAGTAAATNTCT
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CCCCCCCCCGGGGGCCNTGGCAAAGG
Sequence 1299
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GCAGTTTCAGCAGCACTGGCGTAAAAATCACATGGACCCTCAAGGGAGCCCGGCGTACAC
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Sequence 1300
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Sequence 1301
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GCCTTAAAAGCATAGCTAGAGGG
Sequence 1302
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Table 2

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Sequence 1303
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Sequence 1304
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ACCT
Sequence 1305
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CCATCTTTCCATCAGTTCAGCTAACTTTCACTGT
Sequence 1306
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CCG
Sequence 1307
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TCTTTGGACACCACCGGTCCTGAGTCCGCGGACTGCCATTTTCATTAAGAACTGCCACTT
AGAGGTACCT
Sequence 1308
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Table 2

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GTGCTGGGATTACANGGCATGAGCCCCCGTCCCCGGGNCCCANGGAAACATTTTTTTAAAA
AAAA
Sequence 1309
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Sequence 1310
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CGTACCT
Sequence 1311
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Sequence 1312
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Sequence 1313
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TATCCCCTTGGACTCCTTGGAGGGGTGGAGGGGA
Sequence 1314
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Table 2

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Sequence 1315
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Sequence 1316
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Sequence 1317
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Sequence 1318
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AGCTATTAAAAAAAAAAAAAAAAGCGGGCAGGTCCAACCAGGAGGTCCAAGCTCAGTCCC
ACCCAGGCCTGGTGTTCCCCGCATGCACAATTGGCTTCCCAGGTTCTAGCAGTGCTCTGC
CCAGCACAGCAAATGCACTTAGGGAAGGCTCCAGGCAGCCTTTAATCTATTTCACAATTC
ACTTTCTGTGTAGGCTGTTCTGGATGGGACCAGGAAACAGCCCCAAGTCAGGAATAAGGA
CACAACCCCCCTNAGATCCCGAGGGGCTGGCACAACTCTATGGCTTTATGGCTTTATGTC
AATGAAAAATTTATTTCATTAGAAAACTGTCCAGNTCCTTCGGCCCGNTCTAGAACTAGT
GGATCCCCCGGG
Sequence 1319
TANGGCGAATTGGACTCCACCGCGGTGGCGGCCGCCCGGGCAGGTACGCGGGGAGACTTT

Table 2

CCCTGCCGGCACATGGACCTGGCCCAACCCTCACAGCCAGTANACGAGCTGGAGCTCTCG
GTGCTCGAGCGGCAGCCAGAAGAGAACACGCCTCTCAATGGTGCCGACAAGGTCTTCCCT
TCTTTGGACGAGGAGGTCCCCC
Sequence 1320
CCGGGCAGGTACCCATTCTCTCACACCCACTACCCACAGAAATCCAGCCTCACTTAAAAT
CCTGGAATTACATAAGTTTCTGGTTGGAAAGGGATTTACATAAATCCCATAGCTCTTCCC
ATTCTGGGTCTGTGATCTTGAATGAAGCTATTAAAAAAAAAAAAAAAAAAGCGGGCAGGTCC
AACCAGGAGGTCCAAGCTCAGTCCCACCCAGGCCTGGTGTTCCCCGCATGCACAATTGGC
TTCCCAGGTTCTAGCAAGTGCTCTGCCCANCACAGCAAATGCACTTAGGGAAGGCTCCAG
GCAGCCTTTAATTCTATTTCACAATTCACTTTCTGTGTAGGCCTGTTCTGGGATGGGGAC
CAGGGAAACAGCCCCAAGGTTCAGGGAAATAAGGGACACAACCCCCCTCANATCCCGAGG
GGGCTGGCACAACTCTATGGGCTTCATGGCTTTTATGTCAATGAAAAATTTTATTTCATA
GGAAAAACTNGTCCAGTTACCCTCNGGCCGCTTCTAAGAAACTANGTGGGAATCCCCCCG
GGGCTTGCAGGGAAATTTTCGGATNTTCAAAGCCTTTATTCGGNTACCCGTCGGACCCCT
TTNNANGGGGGGGGGGCCC
Sequence 1321
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TATCCGCAACAGGCTGGTTCAGTTAACATTTTAAAAGTGCAATTCCAGGCTTACAGAATG
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GGCGGCCGCTCTAAAAAACTTAGTGGATCCCCCCGGGCTGCAGGGAATTNCNANTTCAAAG
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Sequence 1322
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CCGGTAGTCATTGGAGGTAGGACTGCATTCTACCTGCAAGGAGTTTACAGTCTGGAAAAA
GCGGTAGGTAACACACCGTGGACTCTTGACTGTGCCCTCAGCTCATCTAAGGCTCTGCAT
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TGCAGGACAGAAGAGGCGGCATTTCAGTGGGGTCTGCCTTTGCGGTTGAGCAGAGGGGA
Sequence 1323
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CTTCTGGCTGCCGCTCGAGCACCGAGAGCTCCAGCTCGTCTACTGGCTGTGAGGGTTGGG
CCAGGTCCATGTGCCGGCAGGGAAAGTCTCCCCGCGT
Sequence 1324
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CTCTTCCCTGGAAATTCTGGAACACAAANAAAATAGTCTNTCTCTGGACACCTGGGTCAT
AATATGAAAAACATGGGGNTGGCNGCCATGTTGNGCCACCTGGACCA
Sequence 1325
TCAATAAATGTTAGATGTTTTTGTTATTATTATTGTGACACAGGAGGGAATGATGAAGGG

Table 2

AGAAGGGATACTCTTGAGTTGACCAAAGAATGTTACTTTAGGGAATAAGAGTTACAGTTT
GGCTTTGCCATCTCCACCCAATTTTCAGGCAGCCCCAGAAATCTCTTTTTCTCCANATGC
ATCTTGTGCATGTCTGTTTTATGTGTTCTCTCTGTACCTGCCCGGN
Sequence 1326
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GGGCGTGGTGGTGCACACCTGTNATCCCAGCTACTNGGGAGGCTNGAGGCATGAGAATCG
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AAA
Sequence 1327
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ACAAACAATGGTGGACATTCCTCTCTTAGATCCTCGGCCATGCATCAAGTCGTTTCTTTT
TTTCCCCTGGCCGTAATTTATATTGCGCTGACACTTGGGCTCATTAGGTTTATCCTTTCT
GCTCAANAGGCACCGAGCGNGTTTAGNGACCAGCANGGGAAGTTCGGGGGNAGGGAAAGA
AGAGGGAAGAAGATGGATGGGCCCCC
Sequence 1328
CACCGCGGTGGCNGCCGCCCGGGCANGTACACAGTGGCGCTGGGGATCAGGGCCAGAGA
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CCCGGAGATGGAATCGGGACGGCAGGATGAGCATGGGTTTGTGGCGANAAAACCCGGGGC
ANTAATGACATACAATGCANATTTGCCANAGTCAGCAAAAAGCCTATGTGGTAGAAATTG
CCAAAGAACAGAAAA
Sequence 1329
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ACCACCCCAAATAAGTCTGGGCAACCCTTNGTAAGGAAAAAAAAAAAATACCGTTNCTATA
ATNCTTATAAACCAAAGCACTACATGTTTTCAGTTCAGAACCCAGATTTTTCTNGGAAAG
AAAAA
Sequence 1330
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TTCTGCTGAACCTCAACGACTTCCTTAATGGCTTCCATCCTCCCACCATTACCATGGAAG
TCACTNTTTTCTACACCAACTCATCAGCTCTTCCCTGGAAATTCTGGAACACAAAGAAAA
TAGTCTCNCTCTGGACACCTGGGTCATAATATGAAAAACATGGGGCTGGCAGCCATGTTG
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Table 2

ACACTGAGGGAGTGGATAGCTGGAAAAGAGGCCGAAGACAAAAGAGAGAAAGAAAGAGTG
TCCTCCTGGCCCCATCCATGCAGCNTTCTAGCCCAATCCCTGGCTCCTAACCTGGATTCC
GTANACAGCCTAAAATCCTTCCAACNGAATTCCCTTTTTT
Sequence 1331
AGGTACGGTAATACATACACCAAGAACAGAGACAATTACAAAAACAAGTAAGTGTTGATA
TAGGCGGACCCACAAACAAGAATGTAAACATAATCAGATAGAAATTATCTGCTAAAATAC
ATTTGTCTATGCCAATAGGCATTTTACTTAACAATAGGTTATCAAAGAGTCAATCTTTGA
GAACATATTTCATATTTTCTCTTCATTATCTAAGAAATGTGAGCTATTGAAACACAATAT
·ATCTTAGGCAACTTTTTTTTTTTCTTTCCAGAAAATCTGGCTCTGAACTGAATACATGTAG
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NNCNTNTTGGNGGGGGNAAANNAACCCCCCNTATNAAANNCCNGNNNGNGGNNCANNTTTT
AAAAAAGG
Sequence 1332
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AGATAAGGAAACAAGGGTCCGAAAGGTTTCTTAACTTCCAAGAGCTGAGCAGGCTGCTAA
CCTGGTCTGCTCATCTCCTAGTGGGATTTTTTTTTTTTTTCTCTTACATGGCATACTTCTCT
GCCATCATTTTTAAAACTCTGAGGGGGAAAAGGAAGCTNAATGTTAACATGCTGTGA
Sequence 1333
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AAGTCCCTGAGGTAACTTTCCGGGTTTAGAATACGACAGGCAAAATTGGCATCTTTTTTTT
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GAGCACATGGACACGTGGCCACATGGGGGTGCCTCTAGTCACAGACCTGCCAACCTGTGA
CGCCTGTGACACAGGGCAGGCACTTCAGGGATTAGACTTTCCCAGCACTAACCAGGCAAC
AAAGATGGAAAGCAACCAGAAGCCCTTCATGGATAGAACTCCTTTTAGGACAGACTCCAC
TGACAGCTTGGCACATTTGGGG
Sequence 1334
CCGGGCAGGTACGCGGGGAGACTTTCCCTGCCGGCACATGGACCTGGCCCAACCCTCACA
GCCAGTAGACGAGCTGGAGCTCTCGGTGCTCGAGCGGCAGCCAGAAGAGAACACGCCTCT
CAATGGTGCCGACAAGGTCTTCCCTTCTTTGGACGAGGAGGTCCCCC·
Sequence 1335
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GAGGGGANAAAGGNNNGNAATNCNATTGGGNTAACCTTAAAAGCTTTNTNGNTTTTTAGG
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Sequence 1336

Table 2

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Sequence 1337
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CCAGGTCCATGTGCCGGCAGGGAAAGTCTCCCCGCGTACCTGCCCG
Sequence 1338
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TGCTTCTGCTGTACCTCGGCCCGCTCTAGAACTAGTGGGATCCCCCNGGGCTGCAGGAAA
TTCGATATCAAAGCTTATCGATACCCGTCGACCTCGANGGGGGGGCC
Sequence 1339
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CTTTAATCCAGTCCAGACACCAAATTAAATGTCTTTGTGTAGTCCCCTTCAAAGCCTCTT
GCAATCCCAGTCATGCTTCAGGGTAGGGATGATCCCATTAATCCAAGGACCTGTCCCTAG
TGATAGAAGGAAATG
Sequence 1340
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CCAGGAGGTGGAGGTTGCAGTGAGCCGAGATCGCGCCACTGCACTCCAGCATGGGCGACA
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AACTTTCTTTTTCCAAGTTTATTAAATTTCTTATTGTGTAAAAGTNGAAGGGTTTTACCC
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Table 2

GGANCCNTCTTTAATTTTTC
Sequence 1341
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CATTCTCCTGCCTCAGCCTCCCGAGTAGCTGGGACTACAGGTGCCCGCCACCATGCCCGG
CTGATTTCTTTTTTGTATTTTTAGTAGAGACGGAGTTTCACCCGTGTTAGCCAGGATGGTC
TCGATCTCCTGGACCTCGTTGATCTGCCCGCCTTGGGCCCTCCAAAGTGCTGGGGATTAA
CAGGGTGTTGAAGCTTACNCGCGCCCGGCCTATTNTCCTTTGTACCTTCGGCGCGCTCTA
NAAACTAAGTGGGGATCCCCCGGGGCCTGCAAGGGAATTCCGATATCANAGCTTNTCGAT
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TGTTGTNGAAAAATTTGGTTNTTCCCGGCTTCAAAAAATTTTCCCACAACCAACNATTNC
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ACTTGGGCCCCGCCTTTTTTTCCAANNTTCCGGGGGAAAAAAACCCTNTTNGNNGGCCCCGNC
CTTGCNATTTTTNAANTGGAAATTNCGGGCCCAAACCCCCCCCCC
Sequence 1342
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CAAAATTTTCNCCTGGATCCGACTCCATGGAATTTTTTTTTTTCGGTNTTGGTTTGGTTT
CAAANTTAAGGAATCCCAAAATTAAAGGGTCCCAAAAAAGNC
Sequence 1343
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CCCGGGGGGCCTGGCAAGGGAAATTTNCGAATTATTCAAAAGCCTTTATTTCGGATTACCC
CGGTCCGGAACCCTNNGAANGGGGGGGGGGGC
Sequence 1344
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GACTCAGAAACCAAAGCAGTTGGCCAGGCGCAGTGACTCACATCTGTAATCCCATCACCT
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ACTCTACTGCCCCTGCCTCTATCCAGGCAGAGACAAAGATAACCTGCCCAGGAACAAATC
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Table 2

AGGGAGGGGATGATTAAATGGGAGAATATGAGAAAGTGCTTCAGAAACAAAGCTGTCCAA
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TGNCAATGNTTGTNGATAATGAGANAATGATCCTTTACCAATTACCACCAAAAGAACCAC
CAGGCCCTGNTTTTTTTTTNGGNTTTT
Sequence 1345
CCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGAGTAGAGACGGGGTTTTT
CCACATTGGTCAGGCTGGTCTCGAACTCCCGACCTCAGGTGATCTTCCCGCCTCAGCCTC
CCAAAGTGCTGGGATTACAGGCGTGAGCCACTGCTCCCGGCCACTGCTAACCTTAATACA
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Sequence 1346
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TGTGTGCACCACCACGCCTGGCTGATTTTTGGATTTTTTGTAGGCATGGGGTTTCACCAT
ATGGCCCAGGCTGGGCTTGAACTCTTGAGCTCAAGCAACCCACCTACTTTTAG
Sequence 1347
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GTTNTTATCACTTTCACNAAATTTTGGTGCACCAATGNTAAGNATGGAGTTNTTCTTAAT
TATTTTAAAAA
Sequence 1348
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GAGAGAGAGGTGTTCCCTGGCTCTCCAGAGGGCTGAGGTGGAAGAAAAGGACTCCTGTTT
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NAAGCCAGGGGACCATGCCGTGCTGACATCTGGGGGGAGGATTATCCTCACCAGAAGGGG
GAAAAAGGGAAAGTGCCAAAATGCCCGTTGAGGTTGGGGAGGGACCCATGTTTTGGTTAT
GTTTCAGGGGAGGGAACAGGGGAGGCCAGTTGNGGGCCTGGGAGGCAAGGTTTTCAAGCC
CATGGGGAAGGCCCANAAGGATTGAGGATCAAAAGGAGAATAGTGGGGGAGGATCACCGG
TAAGAGAATTTTATGGGGCCCANTTGGTGAGGGATTGGTGGCNAAGCATTTGAAGAAGAC

Table 2

TGGTTTGAATGCCTTTAAAAACCAAACCAGCCCATTTTTAATTTTAAAATATCTTCCATG
GAATTTTTGTGGGT
Sequence 1349
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TTGCACAAAATGGTTGCTACATTCCACACTCCCATGTGCCCTGAGCAACCTCCAGGGAAA
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AGCTTTGATCTTCACTGGGTTGGGAGCCTGTCTGAATCTAAACATCTGCCTCTCTACTGC
CCACCCCTTCGGCATTTCCTAGCTCTCCCTGAAGGGTGCAAACATGCATGCAGTTACTCA
AACAAGAATATTTATCCTTAACTCCCTGTCCCTCACAATTTCTTTTAAAACAATCCACTA
TTGTCTACCCCCGCCCCCGCATCACCCCTTCATCCAGGTGCCCATTCCCTTCTCTCTAGT
CCTGCAATACCTAAGCATCGATCTGCCTTTAGCACATCCATCCCCGCCTTATTCTCCACG
CAGGAGCTGAGTGACCTGCACAAAAAATCCCCCTGCTAAATACGGGNACCTCGGCCGCTC
TTAGAACTAGTGGGATCCCCCGGGGCTGCAGGAATTCGGATATTCAAAGCTTATCGATAC
CCGGTCGGACCTCGAGGGGGGGGGC
Sequence 1350
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CNATTCTNCTGCCTCAGCCTCTGGAGTGGCTGGGATTACAGGCGCCCACCATTCACGCCC
GGCCAATTTTTTGTATTTTTAGTANAGACAGGGTTTCACCATGTTGGCCAGGCTGGCCTC
GAACTCTTGACCTCAGGTGATCCACCTGCCTTGGCCTCCCAAAGTGCTGGGATTACCGTC
GTAAGCCACCGTGACCGGCCACAAAAGAGTCTTTTATGGGGAGNAAAATAGAGGAATGGGA
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Sequence 1351
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Sequence 1352
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AAAANCNGAANGAGAAAAAGTGTTNTAGTTTGAGCAATAAATTGTATGACCACTCTACTA
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Table 2

Sequence 1353
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TCAAATTAAAAAAAGGTTTCAAAAATTAGGCCAAACCTTTTTTCCCTTAAATGGNGGNTTT
TAAAAAAATGNTAAANTCCACCCCAAAATTANCAATTGTTGGTCCCCCCAAAACNTTTTC
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CCTGGAAAAGGTNGGNGGGGCAAATTAAAGGAAGAAGGTTTGGGNGCTTTTAANAACCCTT
GCCTTNGGAAAAANGAAACCNGTGGGTTTNTTTTTTTTTAANANGGTCNTGNAGGAAAAN
ANGGGTTTNGGGGGGCCACCAAAAAAANTTNTTNCNAAAAANNTTTTTTTTTTTTTT
Sequence 1354
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Sequence 1355
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GGGGA
Sequence 1356
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ATTGGAACACTANAATCTGAATTTATACAGTGGCCACATGAAGGGAAAGGACATGAAAAT
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Sequence 1357
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Table 2

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GCCTGCTTGGAAATGTTGAGGTGTTTCCTAATCCATCTGTTGCCTTGATTCCCANNTNTN
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Sequence 1358
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TTTGCTTAGAAATCGGAAGCTACGACGATTTCACCCTCACAGTCTTTTTTGTTGGTTTGC
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Sequence 1359
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CCAGTTTTGTAAGCAGCTACAGAGTACCT
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Sequence 1360
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TAACTTCAAACTGGTAGTATATACCATCACAGTNAGGNACCAGGTTCATAAAAANGGG
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Sequence 1361
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Sequence 1362
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TCTTGAACTCCTGACCTTAGATGATCTGTCTGCCTCGGCCTCCCAAAGTGCTGGGATTAC
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GAGAGTGAAGGAGGCCACCTCCCCTGGCATTGGGTCTGGTTCTGGGCTGGAGNTAATTTC
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AAACACTTCTTTTTTTTTGG
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Sequence 1363
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TGGAATCATGCAGATTGTAGCCTTTGAGTCTGGTTTCTTTCACCTAATGCCGTTGGAGAT
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Table 2

Sequence 1364
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CCAGGTCCATGTGCCGGCAGGGAAAGTCTCCCCGCGT

Sequence 1365
TCCACCGCGGTGGCGGCCGAGGTACCCCATGCCCAAATCTCTCTGCTTATTGACAATGCC
AGAGTGTGCTCCTCGCCACACGCCAACTGTAAAATCCTGACTGCTAACAAAGGGCTGGCC
TCAGAATCAGCAATGCTGACAGGATTTGGTTCCGGCACATACTGCTGGTTGGCTACTGCA
CACTGGCCAGCAGAATTCTCTCCCCACATGTACCTGCCCG

Sequence 1366
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TCCTAAAAAGGATACCGTGATGCAGCCATTGATGTAGCAGTGACTGGCTCCCCTAGGCTC
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AGTATTGGTTTCAGGGAGCCCCTTCTCTTGTCCAAAATTTGGTACCTCGGCCCGCTCTAG
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CCTTCAACTTGGGCCCCGCNTTTTTCCCAAGTNCCGGGGAAAACCCTTGTNCCGGGGCCC
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Sequence 1367
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CCTTGGGTNGGGGTGGGAATAACCTTCAAAAGGAATTTCNTGGCCCAAACCCGTTTGGGA
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Sequence 1368
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CCTTCTTCTTACATTCTTCCCAAGACCCTTCGGGTGGTCCCAANCCAANAAACTAAGGGA
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CCAAGAATTTCCCTTTTAAGTTGGTGGAAGAACTTGCCACCCCGGTGGGGAAGCCCCAAA
AAAAAANGAAAACCCCCTTTTTT

Sequence 1369
GGGCCGGGCCCGAAGGGTACCGCCGGGGTTGGGCCCGAAGGGAANAAATCNCCGAAGGGC
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CCGCTTCTTAANAACTAAGTGGGGATTCCCCCCGGGGCTTGCAAANGGAAATTTCGAAAT

Table 2

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Sequence 1370
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Sequence 1371
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CTGTGATAGGCAGCAAGCTGAGGGGGCTGTTAANANAACAGCAAGACAAACAGAGGACAC
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Sequence 1372
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AACATAATAAACAAATTATATAGAATATTAAAAGATAGCCGGGCACAGCGGCTCGTGCCC
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TGGNGGATTGGGAGTACCCTNGGGCCGCTNTAAAACTANTGGGATNCCCCGGCTTGCAGG
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Sequence 1373
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CTCTTACTCGGTTAAATACCCGCGTACCT
Sequence 1374
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NGGGGGGGGGGGCCCCCCGGTTACCCCCAANCCTTTTTTTTGTTTCCCCT
Sequence 1375
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CCCCCAATCCCTTTTCCCCCCTTCCCTTGCCGGGGCCAAGGGTTACCCTTCGGGGCCCCG
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Table 2

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GGGGGGGGGGCCCCCNGGTACCCCAAACCTTTTTTTGTTTC
Sequence 1376
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ATCCCCCGGGGCCTTGCAAGGGGAATTCCGAATATCAAAAGCTTTATTCCGAATTTACC
CCGTCCGACCTTCNGAANGGGGGGGGGGGGCCCCCGGGTACCCCAAACTTTTTTGTTTCCC
CCTTTTTAAATTGGAAGGGGGTTTA
Sequence 1377
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Sequence 1378
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Sequence 1379
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Sequence 1380
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Sequence 1381
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NCTGCAGAGAAAAAAATGGGAACACATATGATGACCCTTCAACGTGATGAGTACCTGCCC
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Sequence 1382
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TTTAAACATGCTCAGGGCATGAAAGAGAAATGAT
Sequence 1383

Table 2

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TCAGAACTTTCTGTGACAGCCATTATTCACCCGCGTACCTGCCCG
Sequence 1384
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GGTTGCCCCACGGCTTNCCATNCTNNCCN
Sequence 1385
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Sequence 1386
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Sequence 1387
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CCTTCGGGCCCGGCTTCTTAAGGAAACCTAAGTGGGGATTCCCCCCCCCGGGGGCCTGGCC
AAGGGAAATTTCNGAATTATTTCAAAAGGCTTTTATTCCGATTACCCCGGTTCNGAACCC
TTNCNAAGGGGGGGGGGGGGCCCCCGGG
Sequence 1388

Table 2

AGTGGGTTCTGAAAGTCCATTCCGGCGTAGGGTGGAAACCGGCGGGAGGCGTTGCTGATT
CTCGATTAAACAATAGTGACGAGACGCGTGCGGGGCGCCTGCGAGTCCCTTCCTCCCCGC
GTACCTGCCCG
Sequence 1389
ATACCTTTTTTGTCCATTTTATGTGATTTGCTATAACTTCTTTTTTACTTACCTCTGAAG
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CAACAATTAGAACACATTAAAATGAAANACTTGATTCATGACACAGCACCTAACAAACTTN
TTGGGCATTTCCTGATGTCCTGTTGTCACTGNATGCCTGCAGCACTGTTTCCCTGTTTCA
TCATGTGGGGAGGTGGGAGTAGGTAATGGAGCTTCTGNTAAAAAAAATTAGAAAACTTTAA
AAAATA
Sequence 1390
TATCTGTATTATCTCATTTAATCCTAAACCCTGTGCGTTAGGTTTTACCCTTATTCTTAT
CCACGGCAGAGTTAGGGTCCAAGATCATGCTGTTGAACTGGCAAATNTGGGATTTAANCN
CAGGTCATCTGATTNCAGAGCACCTCCTCATTAACTGTCTCTCAAAAATGATCAGGTCCA
ACAGTTTTTCAAATTATATACCACTGTCAGCAAGATTTCTATATTGAATTTAGCATTAAA
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CACTGAAATGATTAAACAAGGGTNAAATTTAGGCTCATATGATCCTGATTTAATTCTCAT
TTTGGTACCTCGGGCCCGGCTCTAGAAACTAGTGGGATCCCCCCGGGGCCTGGGAGGGAA
ATTTCGANTTNTTCANAGCNTTTATTCCGAATTCCCGTTCGGACCCCTTCGAAGGGGGGGG
GGGGCCCCCGGGGTACCCCAAGCCTTTTTTNGNTTTCCCCTTTTAGNTNGGAGGGGGGGTT

Sequence 1391
ACGCCTATGCCAAGTGGAAACTCTGTTCTGCTTCAGCAATATGCTTCATTTTCATGATTG
CAGAGGCCGTGGGTGGGCACATTGCTGGGAGTCTTGCTGTTGTCACAGATGCTGCCCACC
TCTTAATTGACCTGACCAGTTTCCTGCTCAGTCTCTTCTCCCTGTGGTTGCATCGAAGCC
TCCCTCTAAGCGGCTGACATTTGGATGGCACCGAGCAGAGATCCTTGGTGCCCTGCTCTC
CATCCTGTGCATCTGGGTTGGTGACTGGCGTGCTANTGTACCTGCCCG
Sequence 1392
TGGTNACTATCCAAATTCATGGTCGCCAAGGACATCGGTAAAGCCTGGAGTANCTTTCAG
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GCANAGCGCTTAGAAGATGACCAATAAGAACAGATCTTAGTCCTGCCTGAACATGCTGTG
AAAGCTTGAGGAACACACCAGTGCCAGCCCTCAATCTCCTCAACTGACTTGGGGATTAGA
CTACAGGCTATCGATAAAGTTTCCATCCATCCTTAAAATCCTATGACTCCAAAATTTCTA
TCACATGCAAAAGTATAAAGGCAGGAAGGAACTGTACCTGCCCGGN
Sequence 1393
CCCTTAGCGTGGTCGCGGCCGAGGTACATGCAAGCTACTCTTGCTCTTTGGATCCATGGC
TGAATCTGGACACCAGCAGTGACCAGCTCTAGAGTAAAAAAATCAGGAAGGGGGCTGGCC
ACACTGGGTTGGAGAATCAGACTTGGGGATACCATGCCATGAGGTGTGTGGCCTCTGGGC
AACAAAACAACACCAGTTTAGACTCATCTCCTTGAAACAGAAGGAAAAGCCAGGCTTGAA
AACATGGGTTAGAACAAGGAATCTTGGGCCAGGCGCAGTGGCTCAGGCCTGTAATCTC
Sequence 1394
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GTCATGGTCTTTCTTGGGAAGACCTTCTTCTGCTTTCTCTCTAGGAACAACTCGGCCAGG
TATAGTTGCCTTTCCCAAGATTACAATTTAGCCCAGGATTCAGTCCCATGGTATCTCCGN
CAGGATAGAGCCCACGGGCAAGATTAAATTATCTCATTCTCACAGTTAGATCTTTGCAGA
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CGA
Sequence 1395

Table 2

CCCTTAGCGTGGTCGCGGCCCGAGGTACTTTCTGGCTTGTTGAGCGTGTNCTNACTGCTG
GCCCTNTTGAGCCTGCTGAGTCGNGACTCAAAAGCCAAGGAAGGTGAAGACTTATAACTC
TTCATGCCGGA
Sequence 1396
CCCTTTCGAGCGGCCGCCCGGGCAGGTACTGTGGTTATGCCGGGAAAAAGACACAAGTCC
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TAAAATATATTAACACAAAAAGTGTGAGGAATAAATAAAATATGAAGCTGATGGTTTGCT
GACAGATACATTGGGTTCCCCGTACTATTCATTCCTTTGCCTTAAAAATAAAAACACTCA
AACAAAATTAGAAAAAAAAAAAAAGAAAAAGAAAAAAGTACCTCGGCCCGCGACCACGCTA
AGGG
Sequence 1397
CCCTTTCGAGCGGCCGCCCGGGCAGGTACCTCCATGCATGGCTAATTTTTGCTTTTCTGT
TTTTGTAGAGACTGGGTTTCGTCATGTTGCTCAGGCTGGTCTTGAACCCCCGAGCTCAAG
CAATCCTCCCACCTCAGCCTCCCAAAGTGCTGGGACTACAGGCATGAGCCACCACGCCTG
GCCTTTATATGTATATTTTTGATCATAGTAACATCAGTATGCAATTAAAGAGTAATAATA
TGTATGTAAAATAAAGACACGAATATTTATTCAACTCTAGACAACGTTTGATGCCATAAT
GGGTTTAAAATAACTCTGGGAGCCTGGGAATCTAGTCTCTAGATTGGAAACCACTGAACT
GGGTATTTTATTATTAAAAACAATAATCATTATTATTTTTTCCATTGTAATAACATGTAA
AAAAACATATTTCCCATATGCTCAAGTGGAGAAAATTTGGAAATAAGGAAAGTAGCAAGA
AGAAGTGGGGGGAAAGAAGCACCCATAATTCTATTACCCAGAGTCNAAAACATCTTTTAA
CACTTTTTCTGTGCATTAAAAAAAAAAAAAAAAA
Sequence 1398
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GCCCTGGGAGGGGCAGTGGAGGCAGAAATGGATGAGGAAATAGTGAAAGATATCAAAGAT
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TTGTGGATAGCACAGTTTTCCTCACAGCTAATGCTTTATCAATCATNTATCTCAAATTCC
TGTTTTAACCATTTTGGATCAAAAGCCTTTA
Sequence 1399
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TCATGGTCTTTCTTGGGAAGACCTTCTTCTGCTTTCTCTCTAGGAACAACTCGGCCAGGT
ATAGTTGCCTTTCCCAAGATTGCAATTTAGCCCAGGATTCAGTCCCATGGTATCTCCGCC
AGGATAGAGCCCACGGGCAAGATTAAATTATCTCATCCTCACAGTTAGATCTTTGCAGAG
CTTAGCAATGCCATCTGAGAAAGGAGGCATCTGAAGTTATCAAGCAGACAGGTAACTCCG
ACCAATTCAGCACTCTGCCCCAACTCCAGATTCTGTGGTAGGCATCTGATATGGGGCTTC
CAGCTTCAAACAGCAAGCTACATGTTCATAAGCATCACTGGAGGTCTTTG
Sequence 1400
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TTTTTAGACAGAGTCTCACTCTGTTGCCCAGGCTGCGTGATCTCAGCTCACTGCAACCTC
CACTTCCCGCTTCAAGCGATTCTCCTGCCTTAGCCTCCTGAGTAGCTGGGATTACAGGTG
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GTGAGGCTGGTCTCGAACTCCTGACCTCATGATCCACCCACGTTGGCCTCCCAAATGCAG
TAGCGTCTTAAAGACCATCTTAAAGGCTGGTAAGAGTCTGGACTTTATTCTAAGGACTAG
AAGAGAAGCCATTTGGTTTTATGCAGGGGGATGACAGGATGTGATTTTCACTTTAAGAAG
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CCGTTCAAAAGGCTGTCACAGGGAGCCAAGGG

Table 2

Sequence 1401
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AATATGTATTTTTTTTAAAGTCCAGTGGCTAAGAACTTAGACTGGGTTTTGAAATAATAAT
TTCCTAACACAGTTTCTCAGTATGTTTCCTCTAGACAAGAGAAAACTCTGTAATTATGAT
TCTTAATTTACCCTGGTAATTTCATAAGAAAAATGATTAATTACTTTGAGCAATCAGTTA
TACAGATAATCATGGTTCTTTATTTAAACCACAAAAAATAGAAAGAAAGCAGAGAAGCTT
AAGCATAAAATATAAAGACAAATTCAGTCATTTAGTAAAAATGAAATCAGTGTTAAAATA
TTTCTTTTGACACAGTCAGCTAACATCTTTCTATTTTTGCTGAGTAACTATTAATTATAT
TTTAAGTTCAACTAACTCTTGACACAGCAATGGGAATTTGAAGTGAATATACTACTTTGA
AAAATAAATGGTGTATTTAGAGTGGTGACATTTAGAAAATGGTAGNTTTGTGAAATTTGC
AATGTGTTTTAAAATTATAAATGCTAAAGTNAGGTGAATGCATTGATTATNTTTAATTNG
AATAAAAACCGAAG
Sequence 1402
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CAGGATCAGCTTTCTGCCCTGCAGTTGCTGGTCTACCTGATGCCACCCTGCCACAGTGAT
ACCCTGGAGCGTCTGCTGAAGGCCCTGCATAAAATCACTGAGAACTGCGAGGACTCAATT
GGCATTGATGGACAGTTGGTCCCAGGCAACCGTATGGCTTCCACTAACTTGGCCTTGGTG
TTTGGATCTGCTCTCCTGAAAAAAGGAAAGTTTGGCAAGAGAGAGTCCAGGAAAACAAAG
CTGGGGATTGATCACTATGTTGCTTCTGTCAATGTGGTCCGTGCCATGATTGATAACTGG
GATGTCCTCTTCCAGGTGCCTCCCCATATTCAGAGGCAGGTTGCTAAGCGCGGGTGGAAG
TCCAGCCCGGAAGCACTTGATTTTATCAGACGCAGGAACTTGAGGAAGATCCAGAGTGCA
CGCATAAAGATGGAAGAAGATGCACTACTTTCTGATCCAGTGGAAACCTCTGCTGAACCC
GGGCTGCTGTCCTTGCTCAAAGCAAGCCTTCTGATGAAAGGTNCTNTGANGAGCCAGCTG
TACCTTTCCGGACTTGCCGTTCCCTTGACNATGAGGAAGGAGCGGGTAACCTTCCATTTC
CGGACAAGAACCGCCCATTGCTTCGTGTGCCCCGGGAGAAGGANGGCAAAAACTGGGGNN
ANNTCCTTNTTTCCTTAA
Sequence 1403
CCCTTAGCGTGGTCGCGGCCGAGGTACCTATGACCATCTTACATTATTTTTATGGGTGGG
GGGCATTGACTGTGGAATGTGGGCAGTAACTTGCACAGTCAGTAACCGTTTGAGTAACTT
CTTGTTGGCATCCCCATTCTGGCACTCCTCCTCTAGGTCTCCACCTCACACGCTGGTTTG
TGGGCGGAGGGGCAGGTTGGTGCGTGGGGTGTCCGGGCACTGGCTGTGCATGCCTTCTTC
CTCTTCTGTCTCTTGGCCACCTTTTCCAAAAAGTCACCAGTGACCAATTCTCCCAGTGTT
TCTTTGGGACTCAATGCCTTGGGCTTGGCATTGGGTAAAGCCAACTGGCCAGT
Sequence 1404
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CCCTCTTGAGCCTGCTGAGTCGGGACTCAAAAGCCAAGGAAGTTGAAGACTTAGAACTCT
TCATGCCGGAAGAGGCTGCAGGCATAGGCCGCACCCNGTCTGGGCCGNGG
Sequence 1405
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AGTGGCCTTTCCCACTGTGTTCATCAGAACATTAGTTTTGTTGGCTAAATGGCACTATGT
GACATAAAGCCAAATGAGATTGGGAAATTTCAGTCTAGATTGGACACACGTCACCCTCTN
CAATCCNTAGGACTTCTTAGAGCTGTNAACGCTAATGGACATTGTGGATCTCTGGGAGGG
GATATGGATTATACAGTTTTCATTAAACCTTAATCCTGGACCAAAGGAANTNTCCTTTCA
TTTTCTTT
Sequence 1406
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GATGTAGCCTAACTGGGTTTAGAGCCTTCCCTTGAATGAAGAACCCTCCCCAGCTGGAAA

Table 2

GGGGATGCTCTTGAAAAGCTCAGCTGACAACACACATGGGCATCAAAGTCATTGGCCACA
TACATGCCTCAAGTGTNCTAAAACCCNAATATGATCAAAANAAAACTGCTGTTCANCAAG
TGGAGACTGGCATGCAANATTCCCCTGGGCCTGCAAGCCTAGTTGNAAAAAAGATACCCA
AAATACTGNTNGGAANAATGAAAAGGGGATTGAAAGGATGGTCATCCAAAGTTNGTGNTT
TTNCACTTGGATGGGAAAAGGACTTAAAACCGCAAANGCATGTTTCANNGATCCAAACCA
CAANCACCCACCAGGGGATTCC

Sequence 1407
CCCTTTCGAGCGGCCGCCCGGGCAGGTACTCCAATCTGGGGCCAGAGCAAGACCCTATCT
CAGTCAATCAATCAAGATTTTGTGTAAATATAATCATTATTCCACAATTTTAAAAAATCA
GCTTCAAACACAGAAATATGAAAATCAGAATTAGGAAGGCTGGTGGTCAGTCTTCACTTA
AAAATAAGTTTATAAAGAGTCCATTATCTGTTAGAGATATGTATTGAAGCATTTTCCAAT
AAAGTGAATACTGGGATTTGCTTTAAAATCATCTGAGGTAGGGGGAGCCTAGAATTAACT
GTTAAAGCTAAGTGATGGGAGTTCACTAAATTATTCTATTTTTCTGTTTGAAATCCTCCA
TCATGAAATGTTTCATTTTGTTTTTAAGTAAGTTTCCAAAGATCTTTATCATTAATATAC
TCTGTAGATAAAATGACAGGCTGCCCTTAAGCTGTCAAACTCTGGTGGCTCAACCAGGTA
TGCTCCACACTGAGCCCAACAGTGTAGACTCACTCAATGCAGGCCCCTTCACAGAAGGCC
ACAAAANGCCCCTCAGAAAACAATCAGAGCCCCAGTCAGACCACCAGCCACANTGCAGGG
AGCTGGTGCGGNCTAATCTCTCTCACATTAGGTATCCCGAATGTGAAAATCCAAAATCCA
A

Sequence 1408
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TCAACAGCTAGTCTTGCTTTCCCTGATCGTAGATCCCTACTAAAAGCTCTTGAAAGTGTG
CATATGCAGGCTACCTAATGATTTAACGGAGGATCAAGATGGTTACACTGCAGAGAAACA
GGAGGGATAGGGCATATGCCCTTTGTCCAGCAAGGCAGACAAAAACTAGGAACTTGAATT
CTCTTCTCTGGATTCCTGTATCTGGAGCCAAGGCCAAGGATCAGTTCTTCTAGAAAGTTC
CCTCCTGTGTGTGTGTGTGTAAATGTGTGTGAATGCAGCCATAACTTCCCTGCCAAAATT
CATTGCCAAAAATTTTGTGATTTGAAGCAGGCCTTACCTGTTAATGCAAATTTGATTCTC
AAATCCTAAGAGTTTCCAAAGGTTGAGTGAAGTGAGATGAGACTCTTAATTGAAGATCCA
GATGCTTNCCTGGTGCTATCTAAATGCTACCAAAACTTCCAGCACAACAAAGTNTATGAA
AGAGANGCTCTAGGGTCATGAAATGGTAAAAGTTGGAAAAATGGGCCC

Sequence 1409
CCCTTAGCGTGGTCGCGGCCCGAGGTACTAAGACCTCCAGGTGGTAGATGTAGATGGATA
CCGGCTATAATGGTAGCAGTAGCCTAAGTGGAGCCATCCTCAAGCTCCCAGGAGAAGTGC
ACAGATGCCAACAATGGTGGATGGCGGGAGCAATATCCAGATTCCTGGAAATTGTGTTTA
GTCACTGAGGAACAGGGGGAGTGCCAGACCAGATAGACCCATCCTTGGGTCCCCTAGTGG
TGCACACATGCACAGGCTGTGGTAGGCAAGATGGTCTTATTTCGAGGTTCCCCAATGGAA
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AGGCAAGCANCANTCANGCTCTGGGGAGGGCATGCTTCACCCCCAATAATGGTAGCCTTT
GATNGTGGCAATGGTAGCTTCAAGGAAAACCGGCCTTAATGTGCCTTNCAGTGTGGCACA
TTCCTTCTTGTTGGGGGT

Sequence 1410
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GGTCTCACTCTTTCACCCGGGTTAGAGTGCAGTAGTGTGATTGAGCTCACTGCAGCCTCG
AACTCCTGGGCTCAGGTGATCCTCCCATATCAGCCTCCTGAGTAGTTGGGACTACAGGCA
TGTGCCACCATGCTCAGCTAATTTAAAAAAAAAAAATTGTAGACATGCAGTCTCGCTATAT
TGCCCAGGCTGATACTATACTCCTGGCTTCAAACAATCTTCCTATCGCAGCCTCACAAAG
TGTTGGCATTACAGGTGTGAGCCACTGCACCTGGCCAGTTTTTTTACAATTATAAAAATA
ATCTATGTTCATTTTTCTACAATAAACATTGTAGAAAATGAAAAATAGAGAAAAAAGCTGT

Table 2

CCCATAAAGCTTTTTTAAAATCACTGATTGAGTTTAATATTTTATTACTGCATATATTGC
TTCATTTCTCA

Sequence 1411

CCCTTAGCGTGGTCGCGGCCGAGGTACTAGTGGGTGTTATTTTGTTGAATGAATGTTTTA
CCCAAACTTATATGCATATTAGATTGTTTAAAAGCTCAATTAAAAAGTGAAAAATAGACA
CTGAAAATTTTTTGAGTGATTTCACATGTGTTCATGAAACAATATATCTATTACAAATCA
TTGAATATTTTAAAAGTAATGTCATGTATTCATTTTCTTATTTTATCTCCTCAGTAGACT
GAGATCAGTGTGTAGGGGTGAAGCAAGGAGTCCTACCCTGTTTGACTAAGGTAAAAATTA
AGAATCAGTGAGAAATGGAATTTGCAAAAGTGCCTGCCAGATAATGTTAGAACTGGACCA
GAAAATAGGAGTTGGTATAAAACTAGACCAGCGAGCTTTTTTTTCCTTCAAGATGCAGTT
CAGTTTATTGCTTTTGTAAATTAGAGATTGTGTTTCTTGATCTTTATTAAAGTAGAATAC
AATGTTAACCTACTTCAAATTTTAAAAAAATATCACACATGTATATGTATGTGTGTGTGGT
ATATACACACAGGATTTTAAGGACAGNTTTTTGTGTGTGTGTGCATGCGCACCCATGCCA
AAGGAAATT

Sequence 1412

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AGGACCATTACTCTGTCAAAATCAGCACATCAAAAATATTATCCTGGAATCTAAAATAGT
AGTCAACTGGGTTGTTAAAGCAAGGGATTGCTATAGATCTACAGGACAAAGTTCCATAGT
GAAACACAAACTCCTGGGTTAGTCCTAGGCCAGGCAGGTGACCATAAATGTTCACATTCT
GGTAGAATCCCATTTTCTAAAAATTATACAAACACATCGAAATCACTAGATTTTATATAT
ATATATACNCACACACACACA

Sequence 1413

CCCTTAGCGTGGTCGCGGCCGAGGTACATAACTTATAAATCTCAACTAAATACATAGCTT
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AGAAAAGAAAAAATTTTAATTATCAAACAATTACCTTACCAAATGGCTCAGATGAGTCCA
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AAAGGGAAAAAAAAATACACTACACAGATATTTCACCCATGAGTATATATTTAAAATTAA
AAATAAAATATGGCCTAACAGAATTCAACATAATATTTAACAATAATACACTATGAACAA
GTAATCCAAGAAATGCAAAGATATTTCAATATTA

Sequence 1414

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CCACCAAGCTGCGGCACTCATCTAAGGAGAACATGTCCCCTGGAGGTCCTGTTAGAAGCT
CCTGGTTGAGAAGGCCCTGAAGCTGGGTGGCATCAATGTCCAGCCTCTGCTGAGCATATC
TGTTGAAAATGCTTTGTTGGGAGCCATGTTCTGAAGGGCTTCCT

Sequence 1415

CCCTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGATGAGGAAAGGGATGCCTGGAGACTG
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GGCAGGGTCCACACTGAACTTCTGCCTGGAGATCTGAGAGGAACAACAACAAACTAGGTG
ACAGAGACTATGCCAACTATTTCGCCTTTTATTCTGTTGAGCAAGGAACTGTGACTGAAT
GTGGAGCTTATGAGCTTCAGTCCATCTCCTATAGTGTGGCTAGTTTGCTATAATATTAAA
ACATGATTTAAAATATCAACAAACCAGTTACTCCAGCAAATAAAATAAGAGAATTAGAGA
GGAAAAAAAANAAAAAAAAAAAAAAAAAAAG

Sequence 1416

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GTAGTCCCAGCTACTCGGGAGGCTGATGAACAAGAATCACTTGAACCTGGGAGGAGGAGG

Table 2

TTGCAGTGAGCTGAGATCGTGCCACTGCACTCCAGCCTGAGCCGACAGAGCAAGACTGTC
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AGAAAAATATCCTGGATTGTTGATGTTGNTTTAATATATTTTAATCATTTTTGTATAATG
NCCGTGTATAATTATGTTATAATGAAAGTAAAAAAAAAAAGGTCTTAGCANAAGCAGGCA
GA
Sequence 1417
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NATGGGGTTTCACCATATTGGCCAGGCTGGTCTCAAACTCCTGACCTCAAGTGATCCACT
CGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGACTCACTGTGCCCGGCCAGCAAA
CAAGTTTTANATTTAACTTTATTTGAATGCAATANAAAAAAAAATTAGGCATTAAATTGAA
GGGGCTGCTGAACTTCAAATAAATGTTTCTTCATTGGTTCCTAAAAGGGATAAATAAGCC
AGTTATTCTCAAACTCAAGTATGTGCCAAAATCCCCTGGAGGACTTGTTAAATCACAGAT
TGCTTNGGCCCCACCCCCAGGGTTTNTGATTCAGGAGGTCTTGGGGTGGGGCCAANAATN
TGNATTTTTCAACAAGTTCTCAAGNGATGCTTGATGTTGCTNGTCTGGGGACCACACTTTG
AGAACCACTTGTATTAAGGGCAAGGAAAAAAAAGAATTGNGGGAAAA
Sequence 1418
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TTGCTCGTGAGTTTTTCAACCGTGGCTGANGGGGGATTGGGTACCTCGGCCCGCGACCAC
CGCTAAGGGG
Sequence 1419
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GGTTGAGTGACTTTTTTTGGGGTCTCAGCTGGTCACTCGGGAGCTGGGTTGGAGCCCAGT
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ATATGGTGTAAAGACACCTGGAAAGCTTAAGGAGTGGGAGCTAGAGAGACAGAGAGAGAG
ACCGGGAGACAGAGAGAGAGAGAGAGAGAAATCCCCAATTTCCTGGGTAACAGACACACA
CCCTTCTNTACCCTGGCTCANGGCTGGCCATGGCTGTCCGTGGCTTGCTTTCTGGCCAGC
AGAAAGGAATAACCTTG
Sequence 1420
CCCTTTCGAGCGGCCCGCCCGGGCAGGTACCATAATTTATTCAACCATTCTCCTATGATA
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ACACATATCCTTATATGCTGATGCTTTTATTTGTATGGAAAGATTCCAGAAATGTGAGTT
CTGCTTTCAGCAGTATGTGTTTTTAATAGATGTTGCCAAATTGCTTTCCCAATAGGCTAT
AGCAATTCATATTTCTATCAGCAACTGTTATTTTTGTTCTTTCTGATTTTTGACAGTTCA
ATGGGATGTAAAGCAATCTCTCATTATTACTTTTAAAAAGTCATCAAGTGTTATTATCCC
AATTTTGCAGATAACTGAGGCTCAGAAAGTTTGAATAGCTGGATCAGTTTCCCAAAAGCT
AGAACCAGAATTTGGAAGCCAAATCTGTCTGAACCCAAAGCCCATGCATTTTCTATCCAC
CATGCTGCCTCCCGTATCATGAATTTGGAGCAGAGGACTTTNTTTGCCTGAGTGGGTAGG
ATGCAGGTGTGTCTAGAGAANGCANAGGGTGTCATGGGAA
Sequence 1421
CCCTTTCGAGCGGCCGCCCGGGCAGGTACCATAATTTATTCAACCATTCTCCTATGATAA

Table 2

ACAAGCACTTTTTTTCCACTCTATTGCCACATAGACTATGCTGCAATAGACATCTTTGCA
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GCAATTCATATTTCTATCAGCAACTGGTATTTTTGTTCTTTCTGATTTTTGACAGTTCAA
TGGATGTAAAAGCAATCTNTCATTATTACTTTTTAAAAAGTCATCAGTGTTATTTATCCC
AATTTTTGCAGATAACTGAGGCTCAANAAAGTTTGAATAGCTGGATCAGTTTTCC
Sequence 1422
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·TATTGTCAACAGCAAAATAATATTTTGCCCACCCTGTTTGTGACATTGAGTTGTGACTTC
TATATTCAATAGATTTTTGTAAATGTTAAAACATCTATATTTAAATGTTAAAACACTAAA
TATAGAGAGGGGCTTTATTTCAATCATAGAGCAACAACAAAAATAATGCTTATAGCTAAA
CTGCCTGTTCTAGAAAGCATCTGCTTTTTCATGTTATTCCTAAATCCTCTTGTCATACTT
TTGTCATTGAACAATGCTCTCCCTCTCGTCTTCCATCCTCATTCAGAATTTTTAGAAGAC
CACAATCGTGGAGATACACTACCCAGTATTGTTTGATACATTTTTATTTGATAAACATTC
AGTGCAGGAAACTGTGATTTGCTATATGTTTATGTATATAATCTTA
Sequence 1423
CGCCAGTGTGATGGGATATCTGCAGAATTCGCCCTTTCGAGCGGCCCGCCCGGGCAGGTA
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CTGTAAGTTCACCCCAAAGCTTCATTCAATTGTTTTTAATCCATTATCAAGGGATGAAAA
TGTCACCACTCTAATTCAGGCCCTTGTAATCTCTGTGATATACCATAGAAGATTCTTTCT
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ATCAGAAGCGTCCTCATAAACGGGAGATGAAACGTCAGAGTCACATTAGGAATCCTGAGG
CTGGAAACAGAGGTTCGAGTGATGGGAGGAAGCCACTAGGAGGCAGGGAATGCAGGCTCC
CTAGAAGGAGAAAAGGCAAGGAAGCAAATTTTACCATCAAGAGCCCCAGAAGAAACCAGC
CCTGTCCACACCCATATCCCCAAGATTTAACTTTATTTCATAAGATCAGTTTTAGGTTAC
TGACCCTCANAACTATAAAAAATTAAATT
Sequence 1424
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GATTTGACTAAGATCAACTCTATTTTTTTTAGGCAGTATAGTCTATTAGAACTTAAATAAA
TGGATATAATAGTATATTTCAAAAGAAATATTTTTACTATGCTACATATAACTAACTCTT
TTTAAAAAGTGGAAATGGTTTATTTCACATTTTGAAGAATATAGTCTAAGAGATTTTCAC
ATATTGGTTGACAGCACAAACTTTGGAGTGAGATAGTCGTAGGTTCAAATTGNGGCTCTA
CTGCAAGCTGCTACGTGACCCTAGGCAAATCATTTAACTCTCTAGTTTTCAANTTCTGNA
TGGTGTGAAACAGTGGGTTCACTGTTGGAAGGNGAAACTGGTGTANGGTGGTAGGCAAAA
ACAAAAACTTNATANCCACTGGTTTATTANNANNAATTATGGGGAATTACCT
Sequence 1425
GGAGTCGCCCCGCGTCCGCCCCATCCAGAAGCTGCTTCCCTTCAGACCTACCTACGGCAT
GACCCCTCAAAGTCAGATATGGGACAAGAGCCTCCTTGAACAAACTCTGGTATCCCTGCA
GCAAGCAAGGATACATTGCAGAGGTGCCCGGAGTGGAGTCAGATGGGCTAGCTCAGCCAC
CCCTGCATCTCCCAAACCCTGGGAGACATGTGGCCCATGGGAGTAAATCCAGGACATTGA
CTCAACTCTCAGAAGTGTTATTCAGTCAAGGAGGCTCTCCCTTCACTGAAGGAAGGAAAG
TCAGCTCTCTCCTGAAAGGCCAGATCACTGGCTGAGTAGATGAGACAAGGGTATGAAAGG
CCTTTGCCATCTTCTTTGCCCAGTCCTGAAAGCACTGACGTAAGAGACCAGTCAAGTTCT
AATGTAAGGTGTATATTTTAAGTGTCAGGGTATTGCAATTGTCACCCCTGTGGTCAATAT
CATTAAACAGGTATGAGAAATTCGCTTGGCATAGACTTNCTGGTCTGCTTAATAAGAATN
CAACTAAGGATGTCACATGACAAGTTTCCCAGAAAATGTGAACAAGTGTCCATCTTGACA
CACCGCACCAATGACAAACCAAAGAAAGTTATTCTGGCTGAGTCTTAAGTTGCTGAACTA
ATAAATTANCTGCGGTTCTTTGCAAAAAAAAAAAAAAAAAAAAAAAA

Table 2

Sequence 1426
CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGTAATCAAAATATAAAGGCTGGAGAGAAA
CATGAAAAAGAAAATGAAGAATTCACAGGGCAACTAAAAGTGGCTAAAGATGTTGAAAAA
CTCATCGGACAAGTGGAAATCTGGGAGGCAGAAGCCAAATCTGTTTTGGATCAAGATGAT
GTGGACACCTCAATGGAAGAATCTTTGAAGCATCTTATTGCCAAAGGCTCTATGTTTGAT
GAGCTTATGGCAAGAAGTGAAGATATGTTACAAATGGATATACAAAATATTTCAAGCCAG
GAGTCCTTTCAACATGTTCTCACAACTGGGCTTCAGGCAAAGATTCAAGAAGCTAAAGAG
AAAGTCCAGGTCAATGTGGTAAAACTCATTGCAGCGTTGAAGAACTTAACTGACCGTTTC
ACCAGATTTGGACATCAGGCTGAAGATGGAAGAATCCCCAAAGGGACCTTGAATCATATA
TGATGAGGGCTCAGCAGTTACTGGGGGCAAAGAGAGAGCCCCGGTGGACTCANTTTCAAA
CACCAGGGAAGCCCCTAATAATTTCTAATACAAAAGGCTGGCCNAGTATTTNAAAAGCTG
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TTGAGATNTCTGTNCCAAATNGGGAGTNTTTTCATTATNGAACTGGCTTTATNTTTCCAN
CACCTTAAAAATNGNTTTGGAAAAAGGAAACCTTAGTGGCANATTTTAAAANTTGAAAGG
CNAAAAAAAAAA
Sequence 1427
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TCCAGGTTTTTCATAAATAAATGAGGAGTCTATAAATTCTTACTAGTTTTAATAGAAACA
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CCAGTTTGTTGAAACACTAATTTTAANGGTGCTGCTTGTGAANGGGAATTTNTGTAGATG
TGAATAAATNGTANNAANATCAGTTTGGGCCTTAAGA
Sequence 1428
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AAAAATTG
Sequence 1429
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TAAATAATACCATGCTCTGATGAGTGGTATTGTGGCAGGTCATGAGGTGTTGTGGGAACA
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CTCCTTAAACATCANGACTAAAAGGAATAACCTTACAATCTTAGANTACCTTTTTGAAAT
CCAATAACCCATTTGGTTGGTTNAANAACCACCCTTTAA
Sequence 1430
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Table 2

AACCTCTATCCCTAATGGTGTTTAAATTTTGGTAAAGAAAAATTCATTTTTTCTTTATTT
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GCTTCTAACAATCTCCTTATCAGAANTTTCTAACATATGTAATGGATGAGAGAGAGAAAA
ACTGCCACCACAGGATCAAATTTCATTTCTAATCTGGAGAAACAGGAGTCTAGTTTTCAA
ACATTTTATTCTAAAAAAAGAAAAGGTTAAGCTA
Sequence 1431
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ATGTGACCTAAATGCCAAGTTTTCATTTTGTTTTATATTAATATTAGGGCTTCTCATATT
TCATCTCTGTTTATGTTTACATAAATTACATTATATCAAATCCAGATTTGAAGCATCTCG
GAATACTTGAGTAGTTCTTGCTAATATTTTCATAGTTCAACTTTTATTTTTAATGTTAGT
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TAAGGGGGCATAAATTATTTTTTAACTTATATGGTTAAATGAT
Sequence 1432
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TCAGCCCTGTATGCATGAGCAGTGCAAAATAAATATATTTCCTGCCTTCAAATCACTCAC
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GCCAATNGAAGGTGGCTAAAAAAACCCATTTTTCAAAAGGAATGGNCCTCAATANTTAAG
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Sequence 1433
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TTATCATTTTAATAGAAGAAGTCTTGGAAAAGTTTGGTTGGTAATTCTCTTTTGGTTAGT
ATTGGCTCAAAC
Sequence 1434
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Table 2

CATTGCTCTTCTTTAGAAAAACCTCTGCTCAANAATGTCTNCTTGGGATTTTTN
Sequence 1435
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CTTAATTGGCCATGTCAGGTGCTTTGGGGATGAGGTGTGAAATCAGAAGGAACAGCCAAA
GTAGGAGAGTGAGGGCAGGGATACGTGGGAGAGGAGCTGAGTGAGAAGAAGCCAGAATGC
CATTTGCACATGAAGATGGACAGTCCAAGACAATGAGCCTAAGAAGAAAACAACTACCAA
TAAAAGAAATATTCTCAAAAGTGTCATTAAGAGGAGAAATAAGTTTAATTATTAATTTAT
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GCATACATCTACCATAGCCCCTGACCACCTTCATCCCAAGGAAAATGAAGATCAAGTCTC
AATTATAAATTCTGTGGAAATTTCAACCCAAAATGACTGGAGAAGTCATAGCCTGTGGNC
ATAATGCTTTCCCTTGGGGAA
Sequence 1436
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GGTCTTTGTTTCCCAGTGCTGTTGGGCTGCTTAGGGCCTCCTCTTGACCCTGTCCTCCCA
CAGCTCCCCTGCCCTTCCCCATCGCCTGTCTCCTCTAACATCACTAGGAAGGAGCCCCAT
TCTTGTAGCGGCACTGTTTGTTTGATTTATGTGGGTTTTTTTTTTTTTTTTAAGTANATAA
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TNCCNGANTNNAACANTNNNNTGNNANCGGGCGGCCCGNTA
Sequence 1437
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CTAATCCAACAGAGGTGGGTCTCAAATCACTTGTGAGACTGGGCACCTGGGTGGGGGTGG
GGGAAAGGTGGGCAAAGAAGGAGTGAGTGTTGGAGGG
Sequence 1438
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CTTNCANGACGANTGATCTTCTTTCTCTAGAACTATTCTTCTGTCGGTCATGCAGAATGC
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CTATTTTACA
Sequence 1439
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Table 2

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GTGGAAGGGA ·
Sequence 1440
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TCCCTCACCTCTGTTACCCGACCAGGCATCAAAACTTCCCCCGCCTCTGTTACCCCACAG
GCTAGCATGGGCACCAAAGCTTCCTTCACCTCCTCTATCTTCGGCAGCCTTCTTTTCTGA
AGCTGCTGTTCTGAGGTTCCTGGGCTCTGCTCCATCCAGTATCCCATGGGTGTCAACACC
·TTTCTCTTCATATACCTTCCAGTTAGACTGTCCAGTGGGTTGGAAGTCACAGGACTCCAG
GCAATGCTAGCAGCCACAGTATCTCCTTTATTAAAGTGTT
Sequence 1441
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TGTTATCCTGGGCAGCCTTGAGGCAGGAGAGTAACGTACAAAGGATTATTTATGAATTTG
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Sequence 1442
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CGCTCGAGGGCCCTGGCTTTANGTTGTCAGGGGATTAAA
Sequence 1443
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CAGGGGGCCATTCTCCTGCCTCACTGCAGTCCTGTGGAGGCCGCTAGACCTGCCCCCAGT
CTCTGCTGTCCCTATTTAAACATACAGCCCAGGCTGATGTTTGTGGCCTGCAAGTTGATT
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CTGTCACTGCAGAAGAAGGCTCTGTTTGGGGACCTGCATTCCACTCTTGCCAACCCCAA
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Sequence 1444
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GAGGTGGGGAGACAGACAGAAATGAGTAGGTGATAAGGATGGGAGGGAAATGAAGGGAG
GATGATGGGAT
Sequence 1445
CCCTTAGCGTGGTCGCGGCCGAGGTACCCAAGCATCATGTGAACACTGTGCAAATGCTAT
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Table 2

GAGTAAGTAAAATCCCTATGAATCAATTCACTCAGGCATAATACTCTAAATCCTTAAAAA
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CTGTATTTTTATAAAGAAAATTCCTTTTTAATTATAAAACTAAAGCCCGAGGAAAACCNA
NNAAAAAANNNAAAAAANGGGAAGAAA
Sequence 1446
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GCCGAGGGATGAGTGAGGCCTTTG
Sequence 1447
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CTTTGGGGGGCCA
Sequence 1448
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GAAATATCTGGAAAGGGACT
Sequence 1449
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Sequence 1450
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Table 2

CATGTTGCCCTGGTAACACCCGGGAGGACACTCCCAGACTGCTGAAAGGGCTCTACCCAG
CCCCACACAAAGTGTCACAGGTCCAAACTCTGGCCAAGGACTCTTCTGGAGCCAGAAACA
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Sequence 1451

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TATTTGTTGCTTTATATTCAGCCATACTTTTCTACTCACCCTGGGCTGCAAGGCAAACAA
CTATTTTATTATTATTATTACTTTATAGAGACGGGGTCTCCTTATGTTGTCCAGGCT
·GTTCTCGAACTCCTGGGCTCAG

Sequence 1452

CCCTTTCGAGCGGCCGCCCGGGCAGGTACATTCACGGTGTTGTGCAGCTATCACTGCTAA
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TTTAAATTACAGCATAAGAACTTGATGTGTTTTCATTTCTTCTGCAACTTGTTGATTCAC
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ACAATTCTGTCCAGGCCCCATCCTTGTCAAGAAAGCCAGATTCTACTTCAATGACTGATA
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TCCAAGTANGAAATTTTGGA

Sequence 1453

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GCTGCTTCCTCTGCTGCCTGAGATACCAGATTCCCAATGGCGAAGATTGAGAAAAACGCT
CCCACGATGGAAAAAAAGCCAGAACTGTTTAACATCATGGAAGTAGATGGAGTCCCTACG
TTGATATTATCAAAAGAATGGTGGGAAAAAGTATGTAATTTCAAGCCAAGCCTGATGATC
TTATTCTG

Sequence 1454

CCCTTAGCGTGGTCGCGGCCGAGGTACCACACCCAGATTATCATGGCATATTATTAATTC
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AGTAGTGCAGATTCATATGTTCTGTCTCCAAATAGTAGATTACCATTGCCTTCCAGTGAT
GGCACTGTGTCCTTGAGTATTGGAAGAAAAAGGGAAGTAGCCCAAGTTCCTCCTTTGTGG·
ATGACCTGGAGATCTCTCCTGAGTTTGACTGTAAGGTGAATCAAGAATATAGACAGGCAT
CCTTCATTGTTGGTCTTAATGCATGAGATGGATGACTTTATAACATGTAATGATGACCTA
NGGTGAAGCTCANGTAGATTCAGAGGAAGACACAGACCACAGAAGTTTGCAAACTGGTGG
TCCACAAACATGCTTGGGTTGGCTTGNATAGTGTTTGAGGCAACCAGTTAAAACTGA

Sequence 1455

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CGATGGAAAAAAAGCCAGAACTGTTTAACATCATGGAAGTAGATGGAGTCCCTACGTTGA
TATTATCAAAAGAATGGTGGGAAAAAGTATGTAATTTCCAAGCCAAGCCTGATGATCTTA
TTCTGGCAACTTA

Sequence 1456

CCCTTAGCGTGGTCGCGGCCGAGGTACAAAATACAAAATTTGGTTTAGCTACCACCCTAT
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TTACACACACACACACACAGGAGTCATTTTCTCTCTTTTGTTAAGTATGGAGAAATGTTC
CAAAGAAAACTGATCTTAAAATATATATATATACTTGAAAGCAACTTCTCATAATAAAAT
TAAATAACTTTTTCCTGACTTCTAGGGATATGAAAAGCTTTATATATGGGCAAAAAAGTA
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Table 2

TA

Sequence 1457

CCCTTTCGAGCGGCCGCCCGGGCAGGTACCTAGCACCAAAACGTGTTTTGCCACATTATG
AGGAGAAATTAAGACACATGCAAATGGCCCAGAGTTTGGTGGTTTGCAGTCACAAGGAGG
AAAGAAATGTGTGACTCCAATAAGAGTCCCTCTATACTCATTTGGTTCCCTCGGCCCAGA
AAGACAAAGGGGGAGTTTATTCAGAGTGACATAAAAGAAGGGTCGCACAAGCAAATCAGTG
ACGGGGCAAAGCATTGATGGTTTGAAGGAAAACATGCATTATCTTTTCTTAACGGTGTTC
AATGAATTTCCTTTATTATTCATTACATTGGCCAACCAGCCTCTAAGGACTTTGGGCAGC
CCAATGGAAGGCTCTCAAAGGCCTTTGAGTTTAGCTTTTGGGCTTACGATGGTTTTAATT
AGCCACAGGGAGAAAAAAAGCCATCC

Sequence 1458

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTCTTGCCNGTGGACTGAGATGATCCTTCCAA
CTAAANANAAAAANGGTNTNNAATCCTTTCCTTGGCTTCCCTTCAGACTGCCTCTGTGCT
GTCATGGTCTTTCTTGGGAAGACCTTCTTCTGCTTTCTCTCTAGGAACAACTCGGCCAGG
TATAGTTGCCTTTCCCAAGATTACAATTTAGCCCAGGATTCAGTCCCATGGTATCTCCGC
CAGGATAGAACCCACGGGCAAGATTAAATTATCT

Sequence 1459

CCCTTTCGAGCGGCCGCCCGGGCAGGTACGGTGTGAGAAAAAGTGGGCCTGCNATGGNAG
ACTGCACCTNAATGGGCAAAATATGCNNTCCCCTTTCTGTTCCTTCTTCCTGATGGCTGG
AAGGGAATATGGACCATCTTGGATCATGTGGATAAGACTAACACTCCTATAGGTGGCAGA
GCAACAGAATAAAGGGAGTCCAATGTCACAGAGCAGAACTAGCACACTGCCTCAGATTGA
CAATGATAGAAAAATAAGCTCTTGTCTTGTATTTAAGCCACTGTTATTTGGAATCTATCC
CATGAAACAGCCCCATGCTCTAATTAATATGTAACGGAGATGCTTCTTTTTCTAAGGATT
TTTGGTTCTGAAAAATGCCCGCTTAAAAGAAAAGAACCAAAATTGAATAGTNTAAGCAAA
GAAAAGGTTTAATTTTCTAACTTTTTCATGGAAAAATAACACCTTTATTATTGACAATCA
ATCTTATAAATAACCNAATAGAGATTTTAATTAAAAATCTTGTAAATTCTCAGAAAAGGA
ATAATTTTAAGGTAATNCATTNGGGGGGGGCCTTAAGTTTAAA

Sequence 1460

CCCTTAGCGTGGTCGCGGCCGAGGTACCCAAGCATCATGTGAACACTGTGCAAATGCTAT
ACAGAGAGTCACGGCNNNTTAACCANATGGAGAACAAAAACACAGCAGCGCACAACGAAT
GAGTAAGTAAAATCCCTATGAATCAATTCACTCAGGCATAATACTCTAAATCCTTAAAAA
GGGGGGGAAAAAAGAATGTAACAGAAATCTATTTCCACAATACACCCAAGGGTAACTAAT
GTAACTAACTGGCTAATGACAATACAAGATTAAAATAAACACCAAAACCCACTATCCTGG
ATTCATATTACTTAAATGAGAAGCTAAGTTAAAGATATTGTAGGGAAAGCTCACTTAATT
ACACTGGTGATGAAATTGGCTTTTTCTCTTTTCTTGGAGTTTAAGCAGTTATGCCTTGGGC
CCAACTTTTCTGACCTTGTGAGTAAGTTGAGCCCCATGTTCAGCAGAAGATTTACAGTAG
CTGTTTTTTATAAGAAAAATTCCNTTTTAATTTTTAAACTTAAGCCGNGAAAACCAAAAA
AAAAAAAAAAAGGGAGAAAAAT

Sequence 1461

CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTCCAACCCCATGTCATCTGGAAGAGGACTC
AGCTGGTTGATCGTCTATCACAGTTTGTTGGAGAGACCTATTTTTTTTTTTACATTCAGAT
GCTTCTCAGAGTTCTGTTTATAAACATTGTCAGGAGCAGAGAGTGTTAGGGATCTTCCAC
TTGAAAGAAAAATGACAAAAAGAATAAAATCACTACTTGACTTGCCTGCGGTTTTGTGTT
CAGCCTTTCGTCTTAATGCTATTGAGGATTACTCTTGCTCACTAGAGAGCACAGAATGAT
GTTGTGTCAAGCAAATCGAAAACAGTATAAAATGCTATGTGCGCCTCTCATTTC

Sequence 1462

GATATCTGCAGAATTCGCCCTTTCGAGCGGCCGCCCGGGCAGGTACGGTGGCGCAATCTT
GGCTCACTACAACCTCCACCTCCCAGGTTCAAGCGATTCTCCTGCCTCAGCTGCCTGAGT
AGCTGAGATTACAGGCGCCCGCCACTACGCCCAGCAAATTTTTTGTATTTTTAGTAGAAA

Table 2

CGGGGTTTCACCATGTTGGCTAGGCTGGTCTTGAACCCCTGAACTCGTGGTTTGCCCACA
TTGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGACATTGCACCTGGCCGGTATTTCTG
CTTTTTAAAATTATTTATGAATTTGGTTGTCTCATTCCCATGCAGGCTTTTCTACTTTTT
ACTTGGGAAAATTATTTAACTTCTGTGTAACTGAACTTATTCATATATAAAATGGGGCAC
TAATAATACCCACTTCAGAAGTGTTGAGTATTATATGAGGTAATAACATGTAACGGACTT
AGTTAATGGTAAGCGCTATATATGTGGTAGCTATGGTGATTATGATTATCTACAAATAAT
ATTGNTCTATAAGTGTTTCTTANTTCTTTTGAAAGAAGGCTTTTCCTATTATTGGAATTA
AAGT
.Sequence 1463
CCCTTTCGAGCGGCCCGCCCGGGCAGGTACGGTGGCGCAATCTTGGCTCACTACAACCTC
CACCTCCCAGGTTCAAGCGATTCTCCTGCCTCAGCTGCCTGAGTAGCTGAGATTACAGGC
GCCCGCCACTACGCCCAGCAAATTTTTTGTATTTTTAGTAGAAACGGGGTTTCACCATGT
TGGCTAGGCTGGTCTTGAACCCCTGAACTCGTGGTTTGCCCACATTGGCCTCCCAAAGTG
CTGGGATTACAGGCGTGAGACATTGCACCTGGCCGGTATTTCTGCTTTTTAAAATTATTT
ATGAATTTGGTTGTCTCATTCCCATGCAGGCTTTTCTACTTTTTTACTTGGGAAAATTATT
TAACTTCTGTGTAACTGAACTTATTCATATATAAAATGGGGCACTAATAATACCCACTTC
AAAAGTGTTGAGTATTATATGAGGTAATAACATGTAACGGACTTAAGTTAATGGTAAGCG
CTATATATGTGGTAGCTATGGTGATTATGATTATCTACAAATAATATTGGTCTATAAGTG
GTTCTTAAGTTCTTTT
Sequence 1464
CCCTTTCTTAGCGGCCGCCCGGGCAGGTACTGCCCTAGTCCACAGCTGAGTGGGGCTGGA
ACTAAGCTACAGGGTTGCTTCAGGGCCTACAGTCAAGACTTAGGTCTTAGGCCTAAGGTG
TCACAAACCTGCATGTCTCCCTTCAGGTCCTTAAGTTAGCGGGCCTGCTGTATTGAGAGG
GGCTGGAGCCACTTTTCAGGGGTGTTTCAGGGACTGATGAGGGACCTAGGTCAGGTGGCC
TGTTTGCAGGGCTATGGACAGCCCCATCTCCCTCCAGGATGCTGGGTAGGCAGAACTGCT
CTCTGACCACAGCTTGAGAGGGGCTTATGCCAAGATTCATGGTTGTTTCAGGACCTGCTG
TGGGACTGAAATNTGCCTGCCTGTNCTGAGGACACANAAGGATGTATCTTNCTGACTACA
GGGAGGATTTCTG
Sequence 1465
CCCTTTCGAGCGGCCGCCCGGGCAGGTACCTAGCACCAAAACGTGTTTTGCCACATTATG
AGGAGAAATTAAGACACATGCAAATGGCCCAGAGTTTGGTGGTTGGCAGTCACAAGGAGG
AAAGAAATGTGTGACTCCAATAAGAGTCCCTCTATAGTCATTTGGTTCCCTCGGCCCAGA
AAGACAAAGGGGAGTTTATTCAGAGTGACATAAAAGAAGGGTCGCACAAGCAAATCAGTG
ACGGGGCAAAGCATTGATGGTTTGAAGGAAAACATGCATTATCTTTTCTTAACGGTGTTC
AATGAATTTCCTTTATTATTCATTACATTGGCCAACCAGCCTCTAAGGACTTTGGGCAGC
CCAATGGAAGGCTCTCAAAGGCCTTTGAGTTTAGCTTTTGGGCTTACGATGGTTTTAATT
AGCCACAGGGAGAAAAAAAGCCATCCTGATGTGGGACTCCTGAAGTGTGTCCTACTGAAA
Sequence 1466
CCCTTTCGAGCGGCCGCCCGGGCAGGTACTGCCCTAGTCCACAGCTGAGTGGGGCTGGAA
CTAAGCTACAGGGTTGCTTCAGGGCCTACAGTCAAGACTTAGGTCTTAGGCCTAAGGTGT
CACAAACCTGCATGTCTCCCTTCAGGTCCTTAAGTTAGCGGGCCTGCTGTATTGAGAGGG
GCTGGAGCCACTTTTCAGGGGTGTTTCAGGGACTGATGAGGGACCTAGGTCAGGTGGCCT
GTTTGCAGGGCTATGGACAGCCCCATCTCCCTCCAGGATGCTGGGTAGGCAGAACTGCTC
TCTGACCACAGCTTGAAAAGGGGCTTATGCCAAGATTCAAGGGTTGTTTCAGGACCTGCT
GTGGGACTGAAATCTGCCTGCCTGTCCTGAGGACACANAAGGATGTATCTCCTGACTACA
GGAGGATTTCTGTGCAGGATTTCTGTAAGACTTGTGGCTGANTGGAGCTGAATCCCCGAT
TC
Sequence 1467

Table 2

CCCTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGATGTCCCTGAAGTCCTCCAGGCCCAC
ACCTCCACCCGCCTTCTGTCCTGTATCTGCGGAAATATTTATTTTCTGTAATGAACTTTC
TTGGGGCTCCAGACACCCTCTCAGCCTCTTCCCACACAGAACTTTGCCTACACATTCCTA
CTACCCCTGGAATTCTAACTCAGATGTGGGTAGCAGCTTCCTCAAAGAGAAACTTTTTCC
CAGCTGGGTGCTGTGGCTCACACCTGTAATCCCAGCCCTTTGGGAGGCTGGAGTGGGCAG
ATCGCTTGAGCCCAGGAGTTTGAGATCAGCCTGGGCAACATGGTGAAACTCCATCTCTGT
GAAAAATACAAAAATTAG

Sequence 1468
CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGTCTTCTCTNCTACTTATGCCTTTTCTTC
TTCCTCCTCACCCTCATGGCTCCAGGTCCATGCCCAGGGAGCATGTTAGCATGTTGTCAG
GTCTCAAAGTATCTGAAAAGATTGTCTTCTCTGTGGCCAGGCTGCTTAGAGGCAGCCTGA
TATAAACTGTAAAAAGGGGGAGAGTGTTTCTCTGTGTNCTNTGCATCCACTCTTCATGCA
TTTGCTCCA

Sequence 1469
CCCTTAGCGTGGTCGCGGCCGAGGTACAAAGGTTCAGTGGTGAGAAGAGGGAGCAAGGCC
TTTGGAATAATGAACTCCAGTTGTTCCTCATAGGTGCAGCAGAAATAGCGAGAGGTCAGG
ATTATGGAGATTGGTAAGGCGAGATCATCCAAGGGCCTTTTGCTTGGTAAGCCATTTTAC
TTTAATCTTGAGTGCCATAGGGATTCATTGACGGATTGATACAGGGAAATGAAATGATTT
TTTTTTTTTTTTGGTTGGGGGAGGCAAGAGTCTTGCTCTGTTGCCCAGGCTGGAGTGCAGT
GGCACAACGTTCGGTTCACTGCAGTGTCTGCCTCCCAGGTTCAAGCAATTCTCATGCCTC
AGCCTACCTTGTAGCTGGGATTACAGGTGCACACCACCACACCCAGCTATTTTTTA

Sequence 1470
CCCTTTCGAGCGGCCGCCCGGGCAGGTACCTGACTGTGGCTCAGATCTGCGTCGCAGCAG
CGAGAGAAGAAATCACTCCATATCCGATGAGAGGAAGAGTGGCACAGAGATGGTGTCTAC
AATTAGAGACATTTCTGACTCCACCTTAG

Sequence 1471
CCCTTAGCGTGGTCGCGGCCGAGGAACTTTTTTTTTTTTTTTTTTTTTTTTTTTGCAACAG
GGTCCTACTATATTGCCCTGGCTACACTTCAACTCCTGGACTCAAGCAATTCTNTCATCT
CAGTCTCCTGAGTAGTTGGGACACCACTGTGCCCAATTTNTATTTTTTAGAANAAATTAT
GTTCATTCTCCACAGTATACACTCTTATCTGTAGCTTGCATTATTCACTTAATTAAGGAT
CTTGGAAATTACACAGTTTATCAGATCTTTCACTCCTTTANAGTATACACGCTGTATACT
CTAGTCAACCAGNCCCCAATAATTTCTAATCTTTTGCTATTTATTATAAACAAGGACTGC
NTGCCATACACATACACATAAGAGTAAAAAGACAGGATATAGAGTTAGGAACAAATGTGG
TAAGGATATTGTATGTCAAATATTTTATNGGGCTATGCATATTTTATGNNATTTNAGGCA
CCCCCCCCCCCCCAAAAAAA

Sequence 1472
CCCTTAGCGTGGTCGCGGCCGAGGTACTGAGCCTGTGTGTCAGGTAATGTGGTTAACTTA
ACATTCATTACAGCATGTCATCACCACAAAGGCCTCTTGTGGCTGGTGCTATTTTTTTTTC
CATTTTGCCGACAAGGTTTAGAGAGATTGAATCACCTGCTTAGACCCACACACCCAGTAA
GTGTTGGAATCTGGATTGATGCTGTAATGACCATTATCCAGATCCTTATCACCGTTTGGG
GAAATTGTCTGAAAATCCCTCTGGGTTATTTAGAGTCAAGCTTTCATCTGGGTCTTCAGA
AAGTTGTAGTGGAGCCATCTGCACCACCACACACCTGAAGACATTTCAGGACTAACCTGG
ATGAAAAGGGAATTGACTTTTAGCTAGGATAGGACAAAAGGGCATAATCATAAAATTAAT
TCACTTTCCTTCCTTTCTTTTGAAAA

Sequence 1473
CCCTTTCGAGCGGCCGCCCGGGCAGGTACCTGCTCACATATTCAATCACTCCATCTCAAA
ATTTATGAGGAAAGGGATGCCTGGAGACTGGAAGAACCACTTTACTGTGGCTATGAATGA
GAACTTTGATAAGCATTATGAAAGAAGATGGCAGGGTCCACACTGAACTTCTGCCTGGA
GATCTGAGAGGAACAACAACAAACTAGGTGACAGAGACTATGCCAACTATTTCGCCTTTT

Table 2

ATTCTGTTGAGCAAGGAACTGTGACTGAATGTGGAGCTTATGAGCTTCAGTCCATCTCCT
ATAGTGTGGCTAGTTTGCTATAATATTAAAACATGATTTAAAATATCAACAA

Sequence 1474

CCCTTAGCGTGGTCGCGGCCGAGGTACGCGGGACAGGCTTCATGGTGAGGGGCTAGAAAG
CAACGTCAGGGCCGTTGCCCAGGGAGCCTGAGGGCAGAAGTCAGAGGAGGAAGTTACCCA
CTTCAGGACTCAACTTGGAAGGCAAGTAGACAGGTCTATTCTGCTGTCAGAAAAAATCTG
CACACTTGAGCTTGGGCACTCACCACCGGGTGCTTAGTTTTGTTCTTAGAGTAGCTTCCT
CACACTGATCTCAAAGAGTAAGTGGACTTTTGGGGAAGGACTTCCTGGTGGGTTTGGAAC
AGAACTGGGGAGAAGTGGCTCAAAGGCCCCCAGGCAGTTGTGGGGGCAGAGAAAGCTTTG
GGCTGCCAGAGAGGAGCAGTCATCTGTGTCTCCGAGGGGAAGAGCAGGGAGCAGGCCTGG
TTACAGTGGAAAGGGATCACACACAGGGTGCCTGCCCCCAAAATGCTGCGGAAACGTGGT
TTGGGGCTT

Sequence 1475

CCCTTAGCGTGGTCGCGGCCGAGGTACTAGTGGGTGTTATTTTGTTGAATGAATGTTTTA
CCCAAACTTATATGCATATTAGATTGTTTAAAAGCTCAATTAAAAAGTGAAAAATAGACA
CTGAAAATTTTTTTGAGTGATTTCACATGTGTTCATGAAACAATATATCTATTACAAATCA
TTGAATATTTTAAAAGTAATGTCATGTATTCATTTTCTTATTTTATCTCCTCAGTAGACT
GAGATCAGTGTGTAGGGGTGAAGCAAGGAGTCCTACCCTGTTTGACTAAGGTAAAAATTA
ANAATCAGCTGAGAAAATGGAATTTGCAAAAGTGCCTGCCAGATAATGTTAGAACTGGAC
CAGAAAATAGGAGTTGGTATAAAACTAGACCAGCGAGCTTTTTTTTTCCTTCAAGATGCAG
GTCAGTTTTATTGCTTTTGGTAAATTAAGAGATTGTGTTTCTTGATCTTTATTAAAGTAG
AATACAATGTTAACCTACTTCAAATTTTTAAAAAATATACCACACATGTATATGTATGNGT
GTGNGTATATACACACAGGGATTTTTAAGGGCAG

Sequence 1476

CCCTTAGCGTGGTCGCGGCCGAGGTACCAATTTATTATATGCTGCCTTCAGTTATTTATT
TATATATTTGTCTCTTAAACTAATTGTAAAGTGTTCATTAATACTGGCTTATAATCCACA
TGTAAGCAAATTAAAAGTATATCTTAAACATTTACTTTAATATTTTAAATATTATAATTT
CAAATGAGTTCCAATTTTCCCAACCTGCTCTTAACCAGTATTTTTTTTTTAACCAGTTCTC
TACTTCTTTAATGAAATTAAAGAAACTAAAATAATTTCACCACCTTTAATAACAAATAAA
CATCAGGGAAATTATATGTGAACATGTAATAACAAAATTAAAGCTACTGATCTGTAAAAG
GACAGTAAGAAAAATTAGTATTCAAAATGACAGGGAGATATTTAAATACCGACACTGCAG
CAGCATAAACATGATAAATCTCATTTTGATATAAATGGGGAATTTCCAAGATCCAGCTTT
TATGCTTTGCTATTCTAAAAA

Sequence 1477

CCCTTAGCGTGGTCGCGGCCGAGGTACTTATAGGCAATAAGGCGAGTCTAAGACCTAAAC
TAGATAATTTGAGAACAGGGAAAAAAGATTCCATTTCGATTCCTGAAGGTTACCCCCATA
CCTATTATAACAGAATAAAATAAAATAATTCGAAACTGCACAACCTCTAACTTATCAAAT
CCTATATATGCCTCATTTTCTCAAATGACTCCTAATTTGTGTAAAGAAAAGGCAAAAAGA
GAAAGGACAGAAAGTATGTCAAGGGGGGCTAAAGCTATGAATACCCTTTTATGTAAACCN
AGAAAAAAATAGATCNCNCCCNTTTTTTTAAAAGGGGA

Sequence 1478

CCCTTTCGAGCGGCCGCCCGGGCAGGTACGCGGGAACCAGCATTCTGACTTCGGCCAGGT
TAATTTAATCTTTCTGATCTGTAAATGGGTAGATTTCCTGCTGATAGTGGTTTTTTTTTGT
GTGGGGGGGGGGTGCCTAAAATAACATAAAATATGCATAGCCCAATAAAATATTTGACAT
ACAATATCCTTACCACATTTGTTCCTAACTCTATATCCTGTCTTTTTACTCTTATGTGTA
TGTGTATGGCATGCAGTCCTTGTTTATAATAAATAGCAAAGATTAGAAATTATTGGGGA
CTGGTTGACTAGAGTATACAGCGTGTATACTCTAAAGGAGTGAAAGATCTGATAAACTGT
GTAATTTCCAAGATCCTTAATTAAGTGAATAATGCAAGCTACAGATAAGAGTGTATACTG
TGGAGAATGAACATAATTTCTTCTAAAAAAATAGAAATTGGGCACAGTGGTGTCCCAACTA

Table 2

CTCAGGAGACTGAGATGAGAGAATTGCTTGAGTCCAGGAGTTGAAGTGTANCCCAGGG
Sequence 1479
GGAGAAGGCTTCCATTTACTTCAGAAAGCTACACTGACTCTACTAAAAGGCCCCTTTCCT
GCTGGCTTTTAGGGAAAAGAGAGAATTCCCTCATCAGTCTCAANAATCACAAGCAACAGG
AAATGGGGGAAAATCGTTTTACTACAGAATGANAATGNTGTCTGATTCAAGTAATACCTC
CTTGCATCTTCCCCTTTAGCNCAAAGAAACCCCACTTAGGCCTCTTCAAGNAATATTCTT
GAGGTAGCCTTGTCAGAAGGGTGGTCCCTTTACANGACCAGGCANAANTTTGCCTNAAAA
TAANCAGTTTTGGTTTGGAAATAATTTTACCTTAAAGNCCGCCCAAGAGCAACTTGGGNG
CCTAAAAGGGGGCCTCCCTTTGTNGGAAAATTTGTGNNCAACTTTGGATCCCTCNACCCA
CAAGNCCCCTCCGTTCACCCTTCCCATTTTTGGACCAGNATGGAGGAAAAAACCTTGAAG
AACCTCACCTTAAAGGGCCNNGAAGGCCTTCCAACACCAAGCCTTAGGTGGACCAGGGGC
CAAAAAGCCCCAGGACCTTTGGGGGGGACCCCTTGGGCTTTCCCAGNTCCTTGCTTGGAAG
CCAGTTCTTGGCCCTTCCCAGGAAACCCCTATTANCTCTTNTAAAAATCCCCCGNAAAAA
ACCAGGAGGCTAATAAGNATGGNCT
Sequence 1480
CTTGATGCATGCTCCTCCGAGCCGNCAGTCTGAGTGGATGANATATCTGNAGAATTCGCC
CTTNCGNGCGGGNGCGCCCGGGCAGGNACCCGTTTTCATCTCTGCCTTGATAACATCCGT
GGATACAATACTATCCATACTCCAAGCCGTTATTGATATTTGAACATGTCGNGGCTTGCC
TNACCTGCCTGCGGGTTTGGATTTCCCATAGATGGGCTTTGGCTCCCTCTGGGGNCTACA
CTGTGCCCCACATANACAAGGGGAAGCTANACAATTNTTGCNCNCAGTAGGGCCAAATCA
CCAGGGCCCCAAAGGNGTTGCNAGGCCAAGTGGGCTTGGAATAATTGGAAANTCTCTAGC
CNTNCTTCANCCNACTGGTGGGGNANTTTCAANACCGNACCTGGTTGGCCCCCCTTGGAA
GNGNTTTNNTTANAANCNCCAGNGTGGGGGTAATTTTTTTNGGGGAAAAAAACAAGGATA
ANNGGGAGGCCCAACTTTTTTTTCCTTAATTTAATTCAACCAATTGGTGGGAAAAAATAAT
CCTTTTTTNATTTTNAANANNCTTAATATAAAAAAAAAGNTCTCGANGNGNTAATTAACCA
AATTNGTTTTAATTAAAAAAAAAAAAAANNAAAAAAANGG
Sequence 1481
AGCGTGGTCGCNGCCGANGTACGCGGGGGGCTCACAGTGGGATCCTGTTAGGTGTGGGTGG
ATGAGAGTCAGGGTCCATCAGTGTATTCATTTAACTGTTCATTTGTATAACCCCGTTTAA
GAATACTGTCCTCCAAGTGCCAAGAATGGTGCTCAGGGGATTACCACCTAATTGCTGACT
CAAGTTGCTGGTTTGCAATGGGCACAGAACTTCTNTTAGTAGGTGGCATGAGTTGAGAAG
GTTCTGGATCAGAGATAGGGGCCCCTCTGATCACCTCCACTCCTATAGGTATGAAGACAG
AGCTGGCCATGCGCCAGTCTGTGGAGAACGACATNCATGGGCTCCGCA
Sequence 1482
AATTCGCCCTTAGCGTGGTCGCGGCCGAGGTACACAAAAGGGGTTCATCCACTGTTAGAA
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TCTTAGACTAGTCAGATACCACAGAGAAAATTCCAGTTGCTGCTTAGAGATAAACATCTG
GCTGCTATTGTGTGGGAGACAAGTCCGAAAGAGAAAGCAGGGAGTCTTNAATTAAATACA
TGAACCTATGTCTTAACCCCACTGTTTGCACACTGTCCTGAGTCCAGAGACACTCANTTT
CACACTACCCAAAG
Sequence 1483
CCAGCGGCCGCNCNGGCNGGCACCTGACTTTGGGTAAGTTGCCAGAATAAGATCATCAGG
CTTGGCTTGGAAATTACATACTTTTTTCCCACCATTCTTTTGATAATATCAACGTAGGGAC
TCCATCTACTTCCATGATGTTAAACAGTTCTGGCTTTTTTTTCCATCGNGGGAGCGTTTTT
CTCAATCTTCGCCATTGGGAATCTGGTATCTCAGGCAGCAGAGGAAGCAGCTTGCTGCCT
TTAGTCAAACTGCTTCCTGGAAACCCAGAGCCAGGTCCAGCTCCAGGACACTGTGCAAGC
AAGAGCACAGCAGGTCCCCGCGTACCTCGGCCGCGACCACGCTAAGGG
Sequence 1484
CCCTTTCGAGCGGCCGCCCGGGCAGGTACACTCGGCCACTGTTCTCTGACCTACTGCCAG

Table 2

CCCTAGTGCTGCCTGCACCCCAGGAGCTAGCTGTAAGACCTGGGGCAGGTATGCAGCCGC
TGCAAGCCTTGGTTCCACACCACGCCTGTGAAAGGAAGGAAGGATACAAGGCAATGAGCC
ACACAGCTCCTTCCAGCGCCAACAGCCACTGCGAAATTAGGCTCTTTTGCTTTGGCCATA
CTTGTATACCGGCATTCGGGCTCAGCTGGGCACTGGAAAGCAGCTGTTCCGTGCTTGTTA
AGGTAATTAAGCA
Sequence 1485
CCCTTAGCGTGGTCGCGGCCGAGGTACAGGGAAAAACAGTAGTTAAGGGTTGCATTTCCA
GGCCTCTGCCTCCATCAAGTATTATTTACCAAGCTAAAGAAGCTGAGGGGTGTGGGGGAA
ATATATTTG
Sequence 1486
CCCTTTCGAGCGGCCGCCCGGGCAGGTACTTTTTTTTTTTTTTTTTTTTTTTTTATTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTANGACAANCAAANANAAAANA
NACAAAANNTTTAAAAAAAAAAANNNAAAANTTAANNAAAATTNTTGAAAANTTTTTTGNN
NNANAATNNGGCANNNCTTAAAAAAANNTGGNNTGANTAAANANANAAAAAAAAAAACANTA
AAANTGGGANGGGAAAANAACCAAAA
Sequence 1487
CCCTTAGCGTGGTCGCGGCCGAGGTACATGCAAGCTACTCTTGCTCTTTGGATCCATGGC
TGAATCTGGACACCAGCAGTGACCAGCTCTAGAGTAAAAAAATCAGGAAGGGGGCTGGCC
ACACTGGGTTGGAGAATCAGACTTGGGGATACCATGCCATGAGGTGTGTGGCCTCTGGGC
AACAAAACAACACCAGTTTAGACTCATCTCCTTGAAACAGAAGGAAAAGCCAGGCTTGAA
AACATGGGTTAGAACAAGGAATCTTGGGCCAGGCGCAGTGGCTCAGGCCTGTAATC
Sequence 1488
CCCTTAGCGTGGTCGCGGCCGAGGTACCAGGATGCAAAAGCAAGAATGTTCACAGCAGTA
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ATACAATGGAATCAGTGGACTACAGCATGTAGCTGTTAAAATGCAATTAAAAATGACAAA
CATATATAAGCAAGTCACAAAAGTGCATACTTTTAAACTTTTAACATTGGCAAACAATAT
TGTTTGCAGATATATATACTGGTAGTAAAAACTGTAAATAAAAGTAAGGAAAGGATTACT
ATAAAAAGGCAATGGTGGTCA
Sequence 1489
ATTTCCAGGCGGTAGGCGTCTACCGCGATATCCTGGGTGGCGGAAGCGAAGGCGACGATA
ACCGCGATAGCGATCAGCCAGGACAGGTGTTTTTGCGGATCGCAGAACCCCATGCCGATC
AATCCGAGGATAACCAGCGTCTGGGACAAGACTAACCAGGATCGACGACGTCCGAGCTTG
CCGAGCAGTGGCAGGCGCCATTGGTCGAGCAAGGGCGACCAGACCCACTTGAAGGCATAG
GCCAGGCCGATCAGGCTCGCGTACCCGATGGTTTCGCGGGGCCACACCGGCCTCACGCAAC
CACACCGAGAGCGTCGAGAACACCAACATGTAAGGCAAGCCGGCAGCAAAGCCGAGCAAC
AGCAGCACTAACGTCGAGGGGCTGGCATTAGGCCGGCGAGCGCGGCGCGCCAGGTTTTAC
GGGGCATGGG
Sequence 1490
TTTGNAGCTCCCCGCGGTGGCGGCCGTGGAAGCGGCGCGGGCCGGCGAGTTTNGGACGCG
GCTTTGCCGTNGTCGCCACCGAGGTGCGCACCCTGGCGCANCGCTCGACGGCCGCCGCGA
AAGACATCAAGGATTTGATCCAGGCGTCCGCCGGCACGGTGGACCTGGGCCACGCCCAAG
TGAGCCAGGCCAGCGCCACCATGGATACCGTGGTGGCCAGCGTGCAGCAACTGAGCACCA
TCATGGCCGAGATCGCGCAGGCCAGCGACGAGCAGCGCAGCGGCATCGAGCAAGTNAACC
AAGGCCATCGCCCAGATGGACCAGGTGACCCAGCAGAACGCAGCCTTGGTTGGAAGAAGC
GGCCGCAGCCGGCAGACGCCTTTGCAGGAGCAGGCGCANGAGCTTGAACCAGGTGGTGGG
GCGTGTTCAAGCTTGTAACAAGCAATTCCCGGGTGCTTAAGATTGGGGGAACGAAATTCC
ACCCTTTGCCAAGGGAGGCACCCATTGCCATTGAACGACTTACCGTTTTTTTTAAATTTTG
CCCCCGGGCTTGATTGAATNCCCCAACNGGGATTGGCCGCCACCGTTCATTTCCGCCGGG
GTTGCCCTGGGCCCCGCCGGCCCGGCATTTCNAACTTTNCTTTGNTNGACCGGGACCNAA

Table 2

CCANGCNACATTTGCNAGGGCCCGAAAATTGCNTTGNTTGGGCGGGGCCGGCCANTTTGG
GCGGGGGGGNCCCCCGNGTTNANTGGNTNCCGCCGNAACCANCNAANATNGGGCCCCNCCN
CNAANTTGAAATTTNTTTGGCCNGCTTTTTANGCGGGGGGGGGNATNTTTGGGCCTTTTNC
CCAAAATTTTCCCANTTTTNGGGNCCCCCCCCNNCCCCCCTTTTTTTTTTCNGNNTTNTTTT
TTCTANGTTTNAANNCCCCCNCCCCCC

Sequence 1491
AGGTACGTGGTGGAGCCAGGATCTGTCGGACTCTGGAGTCCAGGTTTGCAGAGAGCCCCC
GGCTCATCCTGGCCTCTCCGGCATCTCACTTCCTCCCTGCAGGCACGTAGGACCGGCCTC
·AGCTCTGTCAAGATCTGCACTGTAGGACCCCAGAGATTTTTTTCTTTCTTTGGGTAGTCA
GACCCATCTGCAAAAGTTTTGCAATCATGAAATCAGATAGCGTATGAAATGCTAGGAATA
AGCGCAGGTCTAGCATACCACGCGGCCAGCGGTAGCGTGACCTGACAGGAGGAGTGCGTC
TTCAGAGACATTGGGAAACTGGCGTGCCTGTCGCCCGTCCCAGGGTCAGAGTCTTCGAAA
·CCAGGCTTTCTGGGAACCCAACAAGGAGTTTCTGATCGAAGAACCGCACTGAGGACAGTT
AGTCTTTTTTTCCACACTGGGCATTTTCAGCATTGGAAGTCAATGGGAGC

Sequence 1492
CCGGGCAGGTACGCGGGGAGAATAGAGTGGCTGACTTGCTGATTGAGGTCGGCAGCTCCC
GAGAAGCAGGAGAAGCAGAGTTTTTGCAGACAGACCCACGAAGTCAAGCATGCGGAGTGC
AGCCAAGCCCTGGAACCCAACCATCAGAGCAGGGGGCCACGGCCCAGACCGGGTGCGGCC
TCTGCCTGCAGCCTCTTCCGGCATGAAGAGTTCTAAGTCTTCAACTTCCTTGGCTTTTGA
GTCCCGACTCAGCAGGCTCAAGAGGGCCAGCAGTGAGGACACGCTCAACAAGCCAGGAAG
TACCT

Sequence 1493
AGGCTTGGCTTGGAAATTACAGACTTTTTCCCACCATTCTTTTGATAATATCAACGTAGG
GACTCCATCTACTTCCATGATGTTAAACAGTTCTGGCTTTTTTTCCATCGTGGGAGCGTT
TTTCTCAATCTTCGCCATTGGGAATCTGGTATTTCAGGCAGCAGAGGAAGCAGCTTGCTG
CCTTTAGTCAAACTGCTTCCTGGAAACCCAGAGCCAGGTCCAGCTCCAGGACACTGTGCA
AGCAAGAGCACAGCAGGTGAGGTCCCCGCGTACCT

Sequence 1494
TTGGCGAATTGGAGCTCCCCGCGGTGGCGGCCGAGGTACAGGCACTTGAGGTAGCTTATC
TCATTTATTCTTCACGATGAACCTTTCTCCACCATCTAATGGCTTCTTCCTCTGCAGCAT
CTGGTTCTGTATATTCTGGCCACCAAAAGCGAAGTTCCTAAATGTTGGACTGAAATCCTA
GCTCACTGTAGGAAGCCAGCTAAGAGCTGAAAAGATTTTGGAAATAGGATTTCTGGAGCA
GCCCAGAGTCAGGCACCAACTATCCTGTCCATAGTCATGTCCTCCCCGCGTACCTGCCCG

Sequence 1495
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ACCCTGGGAGGCCCAGGTGGGAGGATCGCCTGAGCCTAGGAATTTGAGACCATCCTGGCC
AACATGGTGAAGCCCCGTCTCTACTAAAAATACAAAAAATTATCTGGACATGCTGGCGTG
CGCCTGTAGTCTCAGCTACTAGGGAGACTGAGGTGGGAGAATCACCTGAGCCTGGGAGGT
GGAGGTTGCAGTGGGTTGAGATCATGTCACTGTACCTGCCCG

Sequence 1496
AGGCCAGGGTGGCTCACACCTGTAATCTCAGCACTTTGCGAGGCCGAGGTGGGAGGACAG
CTTGAGGCCAGGAGTTTGAGACCAACCTGGGCAGCATAGCAAGACCCTGTCTCTACAAAA
AGTTAAAAAATTAGTCGAGCGGCCGCCCGGGCAGGTACAAATAATAGCTGCGCCCACACA
CACTAATGCCCCCCCACAGCCCACAGCCTTGGGGCGCTCCAAGGAGAGTGAGTTCAATAC
CAGCAGTAAGGGCGACTCGCTCCTGGACGTGAATCTAGCATGCAAGATCATTTTCATTAA
ACACGTAACTGCACAGCGACGATTTACATCTCCTCTTATTTCCTTTGAATGAGAAGCAGA

Table 2

CGCATAACAGCAATCTGGAATAGAAAGTGGAGCTTTTACAGGCTGTTGTATGTGCACCAA
GGCCGGGAGAGGCTGACGTCCGTCAGCATCATGTGGCAGGAAAACCGCAAATAGTTCGAA
AGGCCACACTCTCCAGCACCGACTGAGTAGCTGCTGCAGGAAGGGGGACAAATGGTCCTC
AGCAAGGACCCTTTTCAGAAGGAACANGGAGACCGCGTGGAGGGCCCATGANAATGAATT
T

Sequence 1497

AGGTACCTGACTTTGGGTAAGTTGCCAGAAATAAGATCATCAGGCTTGGCTTGGAAATTA
CATACTTTTTCCCACCATTCTTTTGATAATATCAACGTAGGGACTCCATCTACTTCCATG
ATGTTAAACAGTTCTGGCTTTTTTTCCATCGTGGGAGCCGTTTTTCTCAATCTTCGCCAT
TGGGAATCTGGTATCTCAGGCAGCAGAGGAAAGCAGCTTGCTGCCTTTAAGTCAAACTGC
TTCCTGGGAAACCCANGAGCCAGGGTCCAAGCTCCAGGAACACTGGTGCAAGGCCAAAGA
AGTACAGCAAGGTCCCCGCGTNCCCTGCCCCGGGCCGGCCGCTCCGAGAATATCNAAGCT
TTATTCGATACCCGTCGACCTCCGAGGGGGGGGGCCCCGGGTACCCAGCTTTTTTGTTCC
CCTTTTAGTGAGGGGTTTAAATTTGCGCCGCTTTGGGNCGTTAAATTCCANTGGGTCCAA
TAAGCCTGGTTTTTCCCTGGTGGTNGAAAAAATTNGTTTNATTCCCGCCTTCCAACCAAT
TTTCCCACCACCAAACCATTAACNGAAGCCCCGGGGGGNAGCCANTAAAAAAGTTGGTAA
AAAGGCCCCTNGGGGGNTGGCCCTTAAATNGAAGTTGGAGGCTTAAACCTTCAACCATTT
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GGAAAAACCCCTGGTCCCNTTGGCCCCANCCTTGGCAATTTAAAATTGGAAAATTCGGGG
CCNAAAC

Sequence 1498

GAGCTCCCCGCGGTGGCGNTCGAGGTACTTTGGGAGGCTGNTGCAGGAAGATCCCCTGAG
CCCAGGAGTTCGAGAACAGCCTGGACAACATAAGGAGACCCCGTCTCTATAAAGTAATAA
TAATAATAAAATAGTTGTTTGCCTTGCAGCCCAGGGTGAGTAGAAAAGTATGGCTGAATA
TAAAGCAACAAATATTTATTTTACTTTCTATATACTTCTTAAAAGAAAGTTTATTCTTAG
TAAATAAATACTACCTTTACTTAAGTCCTAACTTCACATTGTCTGTACCTGCCCG

Sequence 1499

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GAGTGCTGAATTGGTCGGAGTTACCTGTCTGCTTGATAACTTCAGATGCCTCCTTTCTCA
GATGGCATTGCTAAGCTCTGCAAAGATCTAACTGTGAGGATGAGATAATTTAATCTTGCC
CGTGGGCTCTATCCTGGCGGAGATACCATGGGACTGAATCCTGGGCTAAATTGTAATCTT
GGGAAAGGCAACTATACCTGGCCGAGTTGTTCCTAGAGAGAAAGCAGAAGAAGGTCTTCC
CAAGAAAGACCATGACAGCACAGAGGCAGTCTGAAGGGAAGCCAAGGAAAGGATTTGAGA
CCCTACAAGAATGAAGTTGGAAGGATAATAAAAGTCCACAGGCAAGAGTACCTGCCCG

Sequence 1500

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CTNAAAAAAAAAA

Sequence 1501

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Table 2

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GGGGGGTCCCTCCTCACTTCATCCTGGGATTGATATAAAGCCAGATTTGGACATCCAACA
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CCCGGGGCTGCAAGGGAAATTTCGATTATTCCAAGNCTTTATTNGATTANCCGGTTCGAA
CCCTTNGGAGGGGGGGGGGGGGGC
Sequence 1502
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TGCCNTCAAAAAAAAA
Sequence 1503
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GATTCGTTTCCAAATATGTTGCGTCAGTTGATGCGTGGATGTTGCTGCACCAGGTTTTCA
CGCTTGGCTTCCAGCTCGGCGATTTGCGCGTCGATATCTTCGA
Sequence 1504
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CTCCTGCATCCTGCGTTCCCCTC
Sequence 1505
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CTGGCCTCAAGTGATCTGCATACCTCGGCCTCCCAAAGNGCTGGAATTACAGGCATGAGC
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Sequence 1506
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Table 2

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GAGGTNGCNCGTATAGGGNCCTACAAGGTAACGCTAGGTGGNANNATTNTCCTTCCAGNG
TNNGGGTCTTAAGCCCACCAAGGTTCTTCCTTCCCATCTACCCCCGGAGTACCTCNGGCC
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Sequence 1507
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Sequence 1508
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GCAAGAGCACAGCA
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Sequence 1509
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ANGGACAGGTTTT
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Sequence 1510
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TCATCTCTTAAAAAAAA
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Table 2

Sequence 1511
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CAGTGGAGACCTCCATCATCAAGTTCAAAGACCAGGACTTTACCACCTTGCGGGATCACT
GGCCTGAAGCATGGGGCCGGGACGTTTAAGGGATGAGGACATTCCCTGCAAGCANGATTC
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NTATTTANAAGGCCCTTNTTTGGGATTCCCCGGGCGGAANCCTTCCGAAGGGGGGGGGGGC
C

Sequence 1512
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AGCTCAATTCCTACTTAACATTGCCACCTACATGTCTCAAATTCAGCAAGCCCAAAATTG
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Sequence 1513
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Sequence 1514
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Sequence 1515
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Table 2

GCCGTTTTTGTGGGTTGAAACAGCCATAGGCCAGGGTGCAAGGACTTTGTCAGGANAAAA
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TCTTTTCTTTCCANTTTCTTTTTTCTTTTTTTCTA

Sequence 1516

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GCCTGTAGGGTAATCTCAAGTTCGGGTGTAAGGTTCGTTTCGCTCCCA

Sequence 1517

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TACTTGCTTTGG

Sequence 1518

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TATTTTTTGAGCTGGGGTCTCACTGTCACCCACGCTGGAGTGCAGTGGTGTGATCTTGGC
TCTCTGCAACCTCCGCCTCTCAGGCTCAAGCGATCCTCCCCCCGCGTACCTCGGCCGCTC
TAGAACTAGTG

Sequence 1519

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GAAGGATAATAAAAGTCCACAGGCAAGAGTACCTGCCCG

Sequence 1520

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AANCGNTNAGAACCTNTAAAGGGGGGGCCTCCGGCNCGCTCTTANNAACNTAGNGGGAATC
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CCCTTCGGAGGGGGGGGGCCCCGGTTACCCCAGCCTTTTTNGGTTTCCCTTTAA

Sequence 1521

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Table 2

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Sequence 1523
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CTATTCCGTTCCTTTGGAGGTTC
Sequence 1524
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Sequence 1525
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CATCACCAGCAGCGCGCTGGGTGATGGCATCCACAGCCTTAGCGTGAAAGCCACTGATA
Sequence 1526
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GCTGCCTGGGCTCAAATCCCACCTTTCATCAGCTATGTGACCTTTGGGCAAGCTACCTAA

Table 2

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Sequence 1527
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CTGAAAACA
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Sequence 1532
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Table 2

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Sequence 1533
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Sequence 1537
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